



THE EXPANSION OF SOYBEAN PRODUCTION IN THE CERRADO

PATHS TO A SUSTAINABLE TERRITORIAL OCCUPATION,
LAND USE AND PRODUCTION

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AGROICONE / INPA



AGROICON ➤

ENHANCING PRODUCTION AND CONSERVATION

CHALLENGES

REDUCE DEFORESTATION



AGRICULTURE EFFICIENCY



ECOSYSTEMS RESTORATION

SOLUTIONS

TRANSITION PASTURE-AGRICULTURE

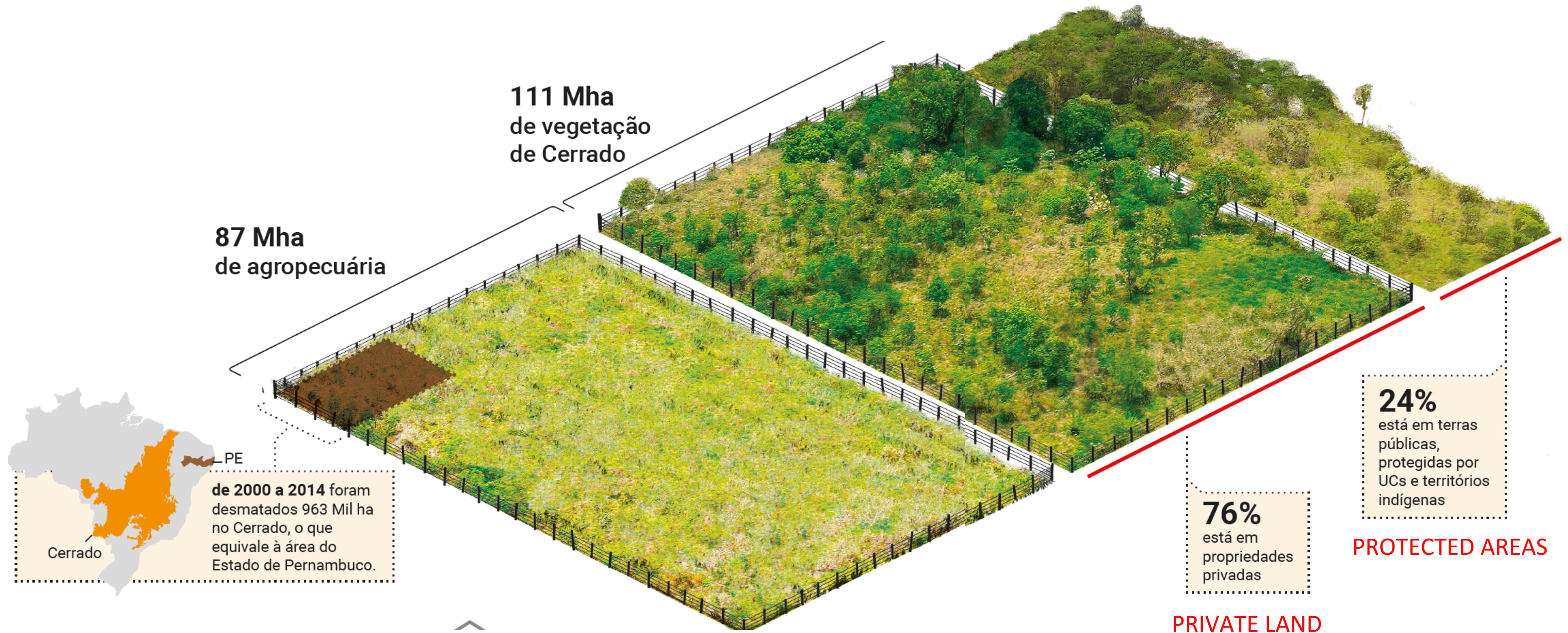
LIVESTOCK INTENSIFICATION

NATURAL REGENERATION



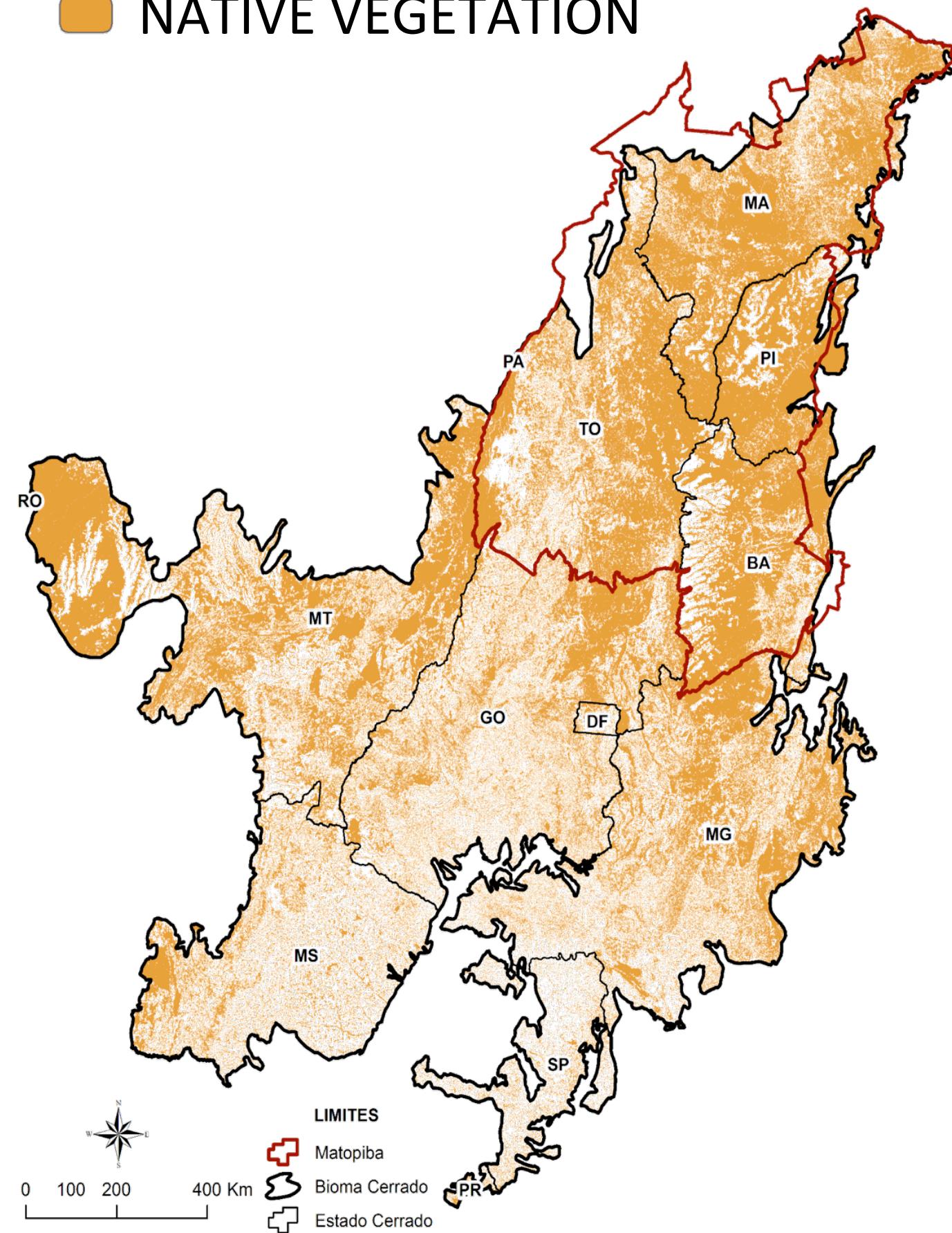
THE CERRADO TODAY

LAND USE AND LAND COVER

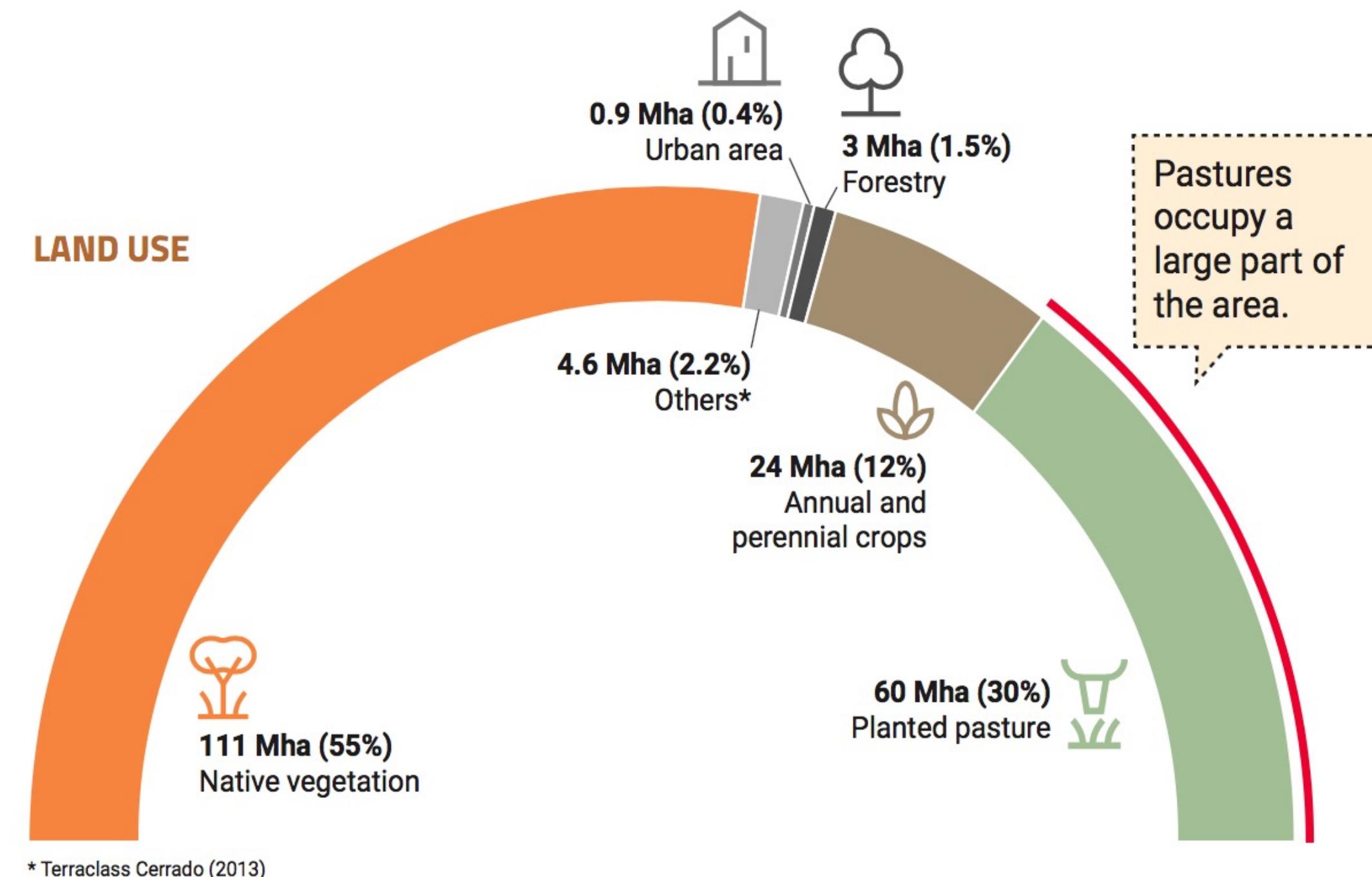


LAND USE AND LAND COVER

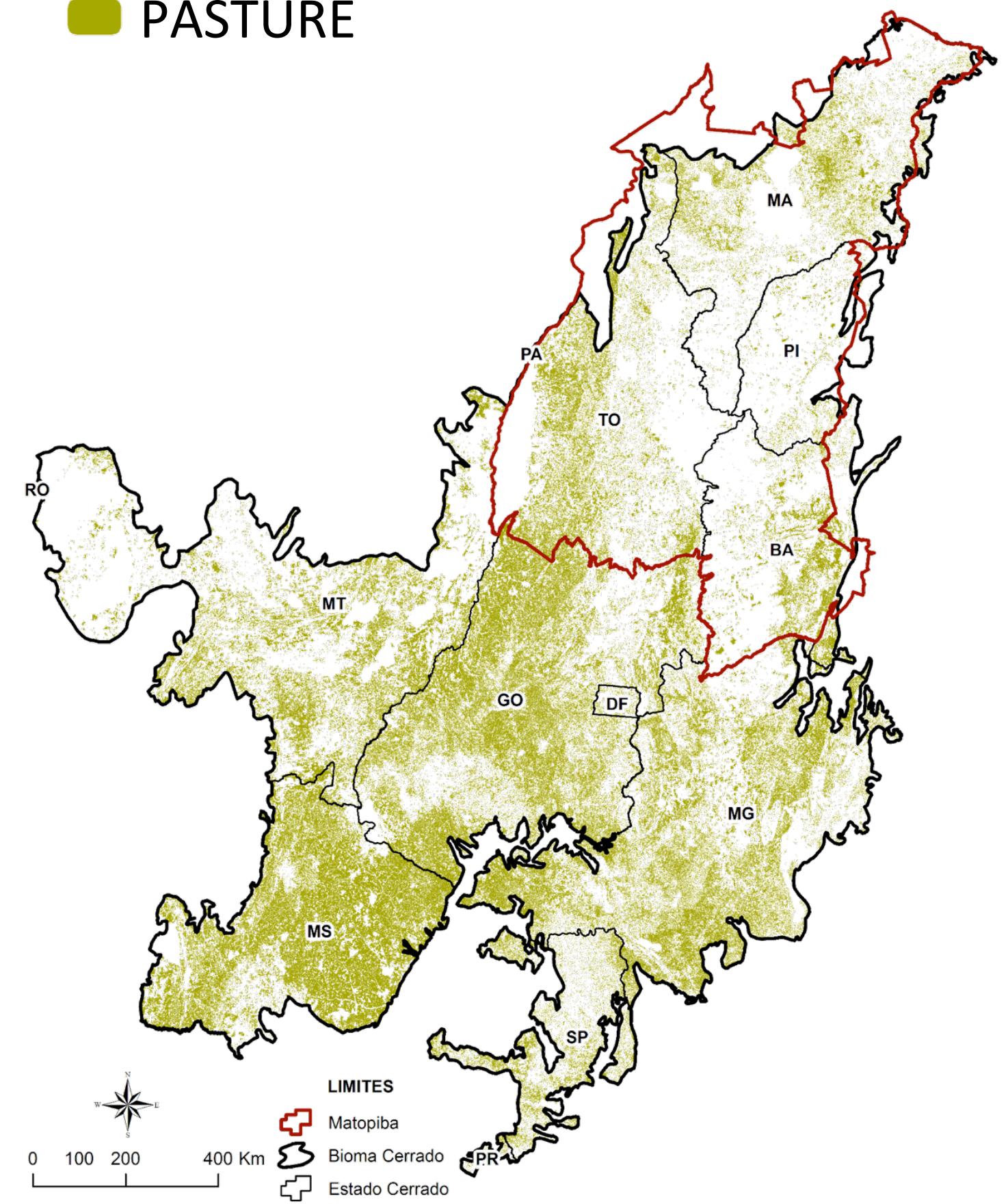
NATIVE VEGETATION



LAND USE

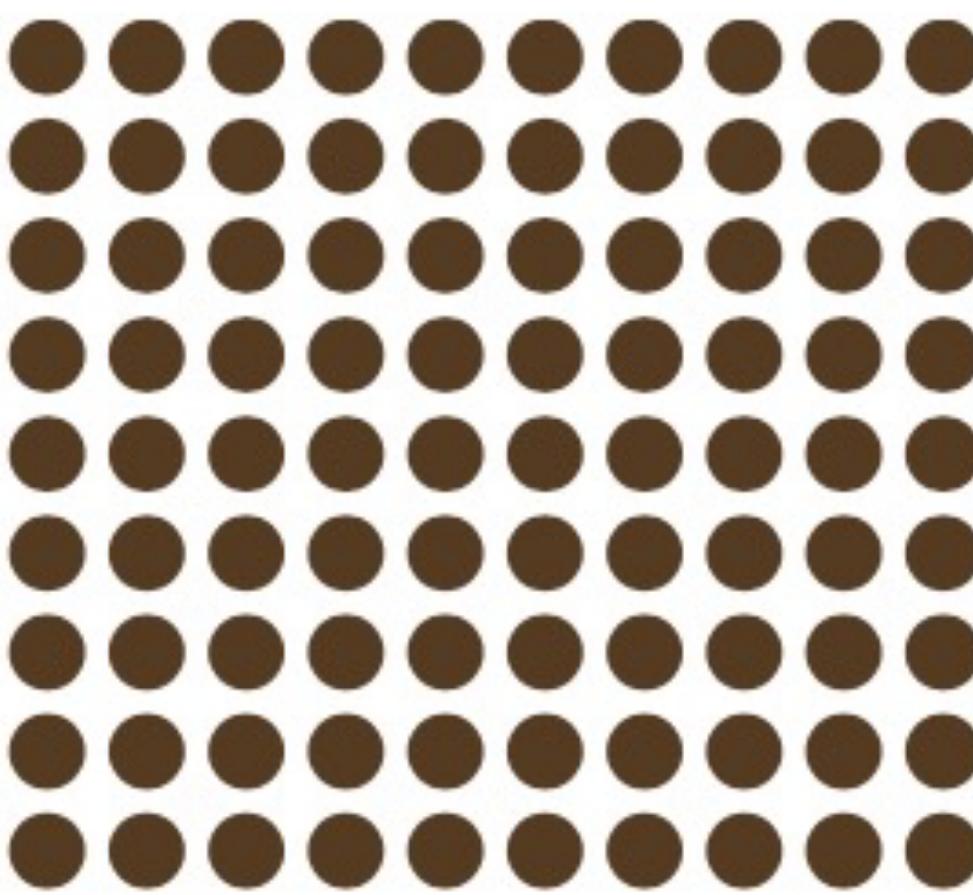


PASTURE



SOY IN THE CERRADO

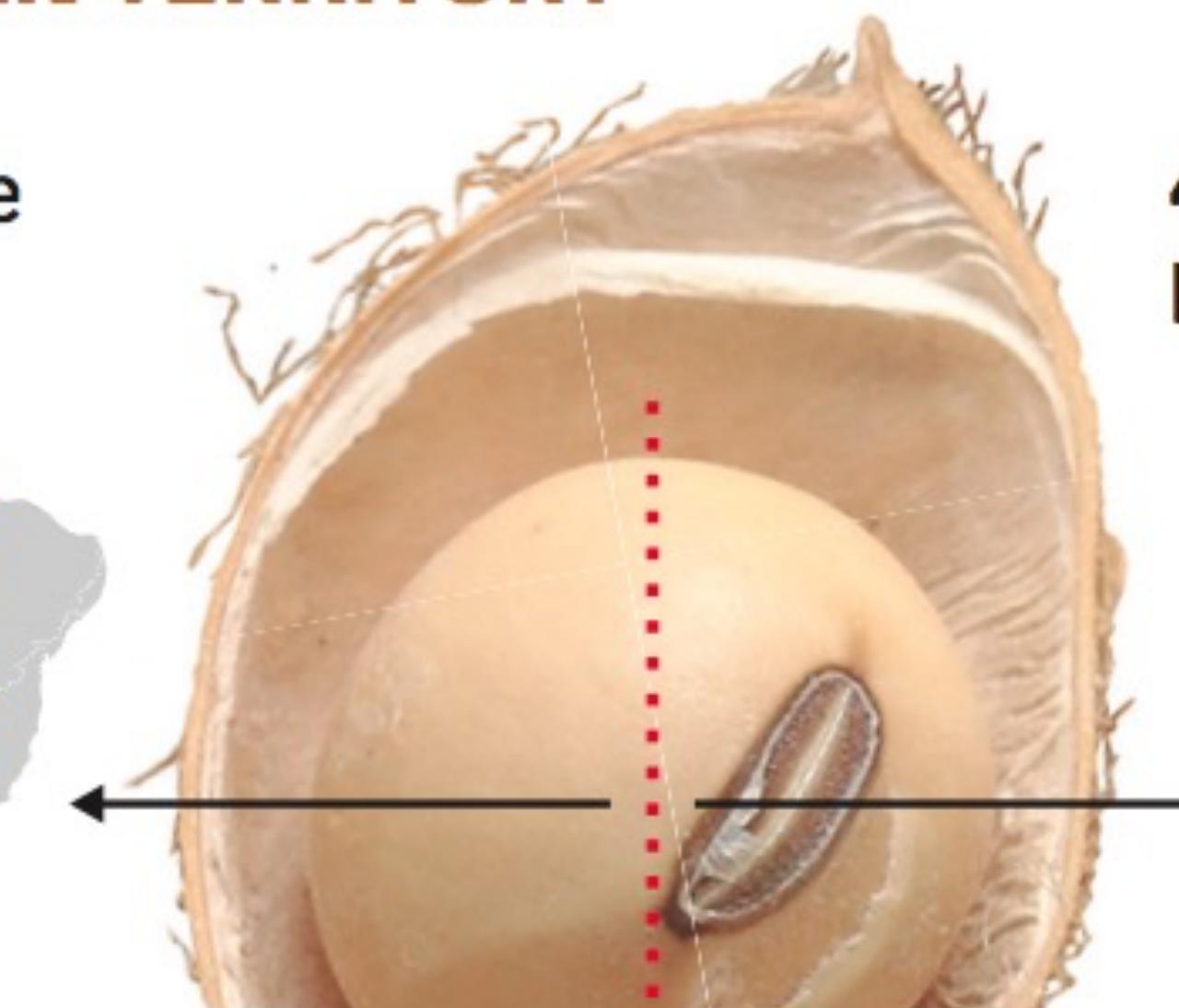
AGRICULTURE IN THE CERRADO



10%
cotton,
maize
and other
crops

THE CULTIVATION OF SOYBEANS IN THE BRAZILIAN TERRITORY

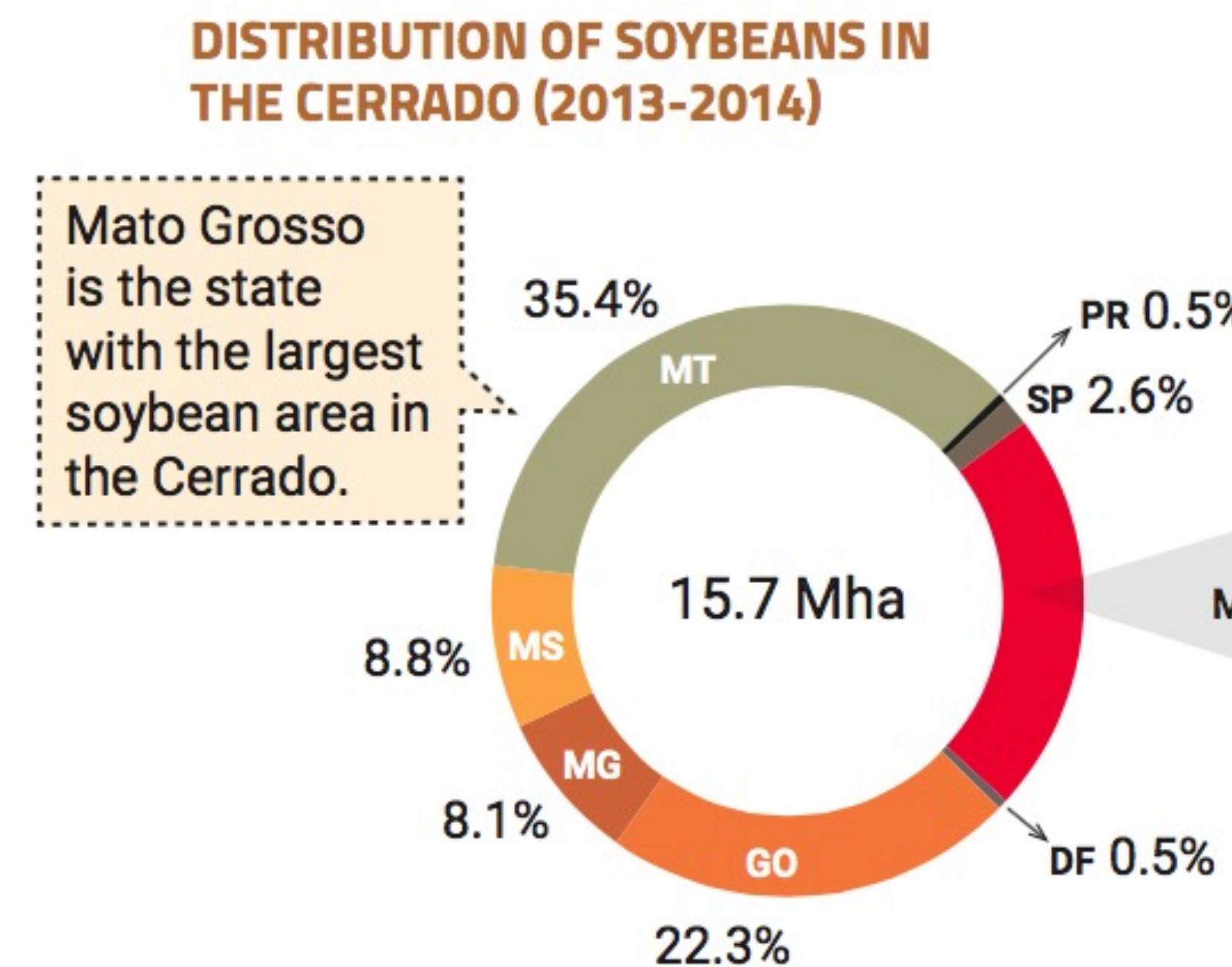
52% in the
Cerrado



48% in other
Brazilian regions

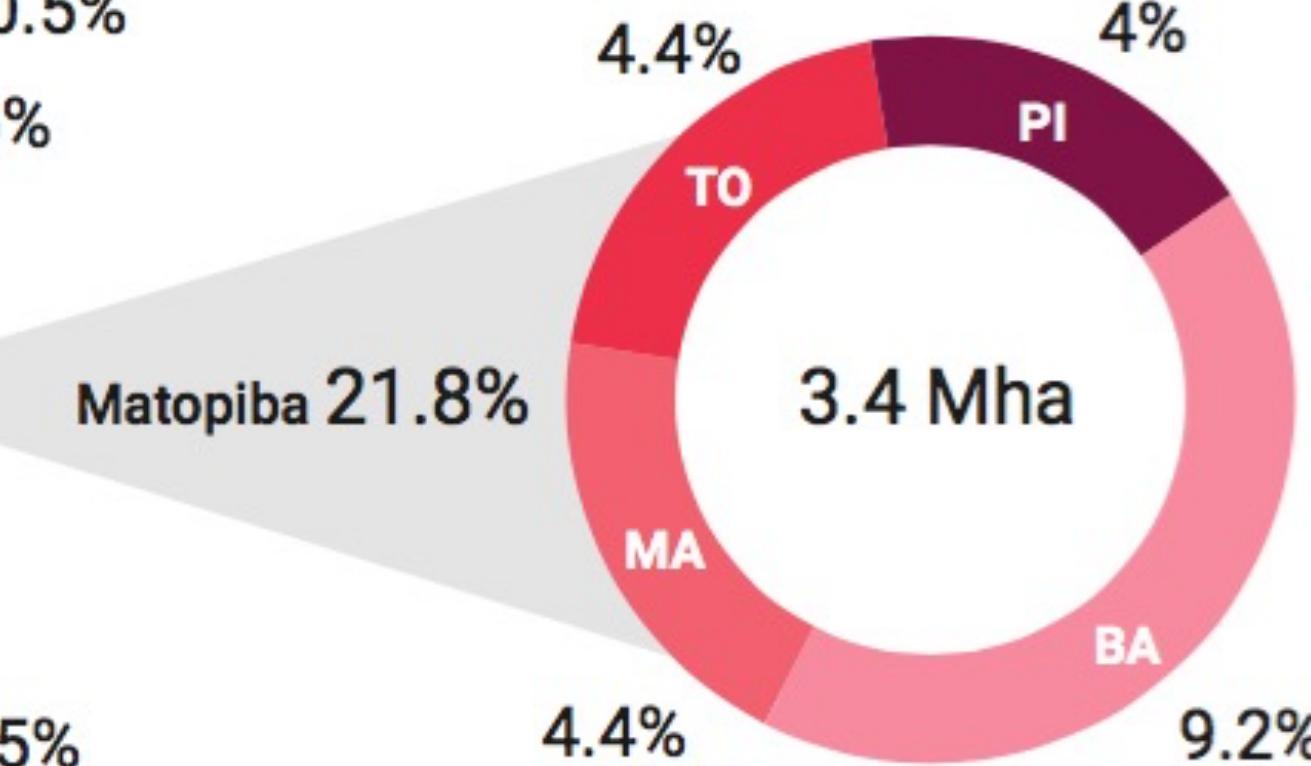


SOY DISTRIBUTION IN THE CERRADO

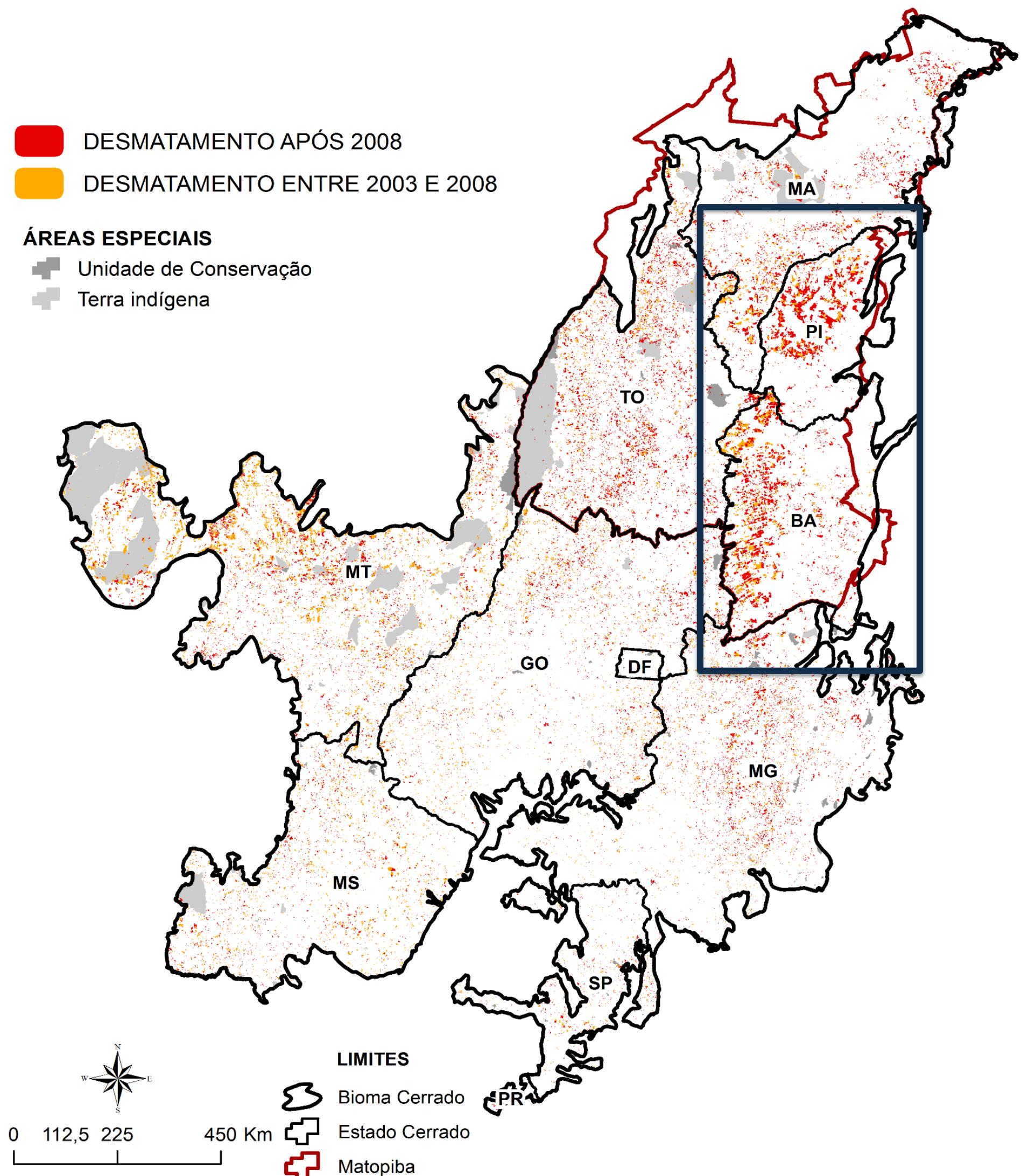


Mato Grosso
is the state
with the largest
soybean area in
the Cerrado.

In the 2013/14 harvest, Matopiba already concentrated a large part (21.8%) of soybean area in the Cerrado. A significant increase of this area occurred in Piauí.

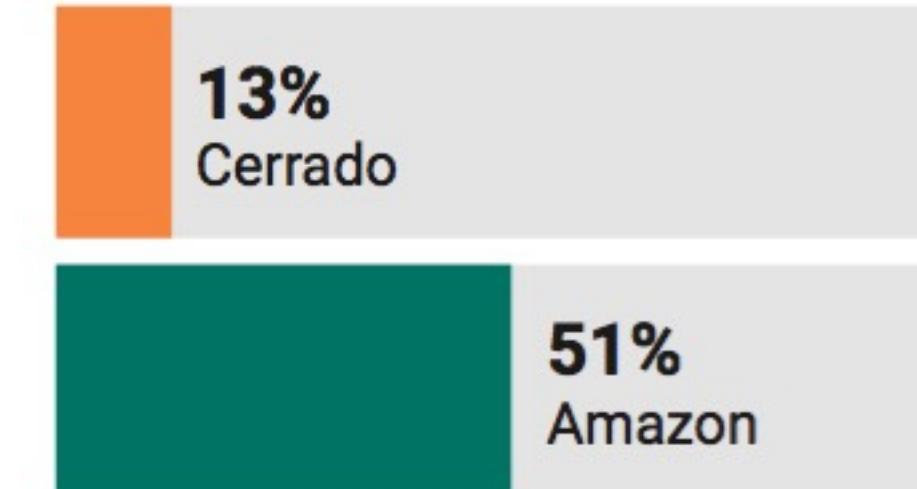


DEFORESTATION IN THE CERRADO



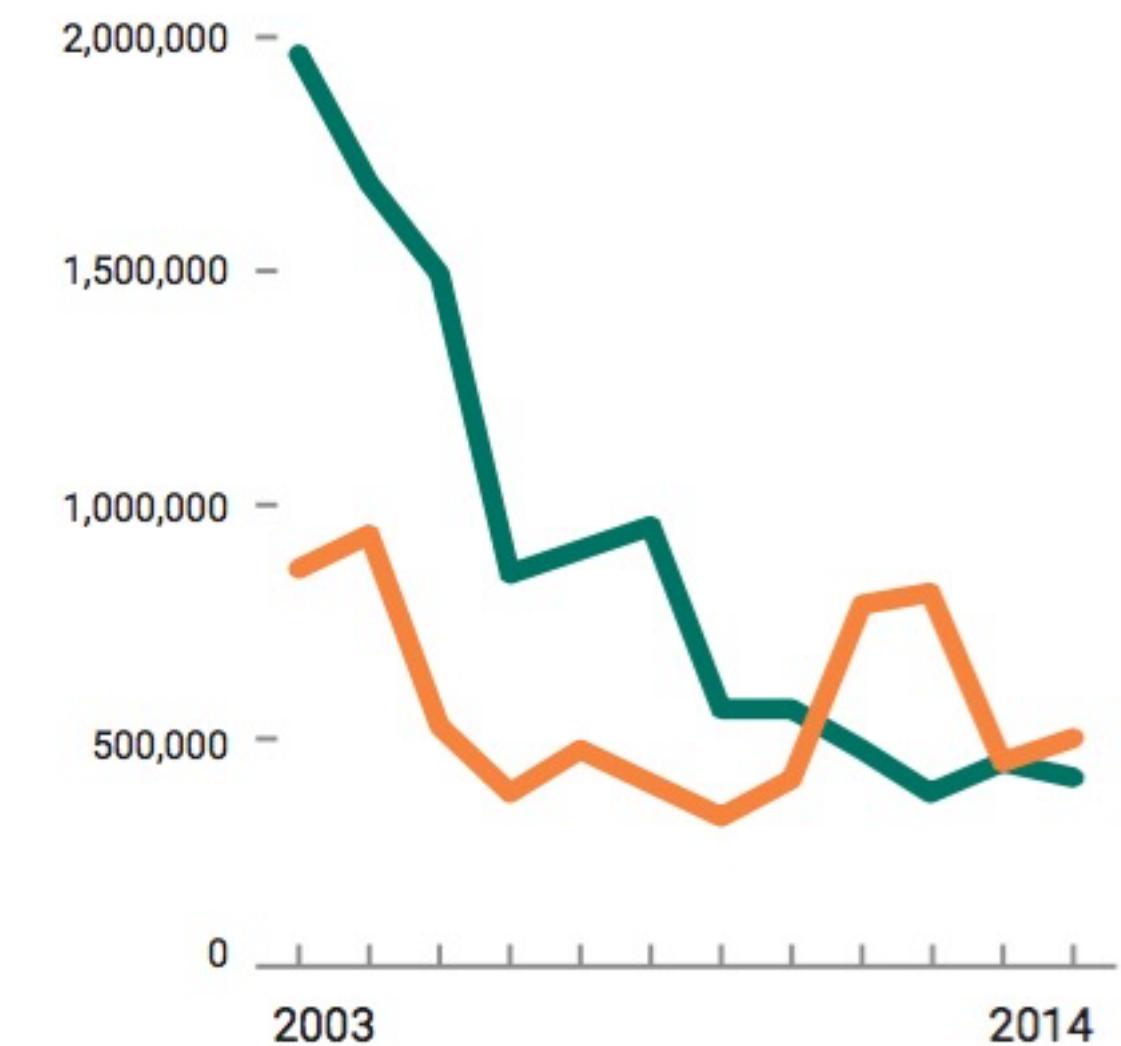
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PROTECTED AREAS IN
CONSERVATION UNITS (UCS)
AND INDIGENOUS TERRITORIES

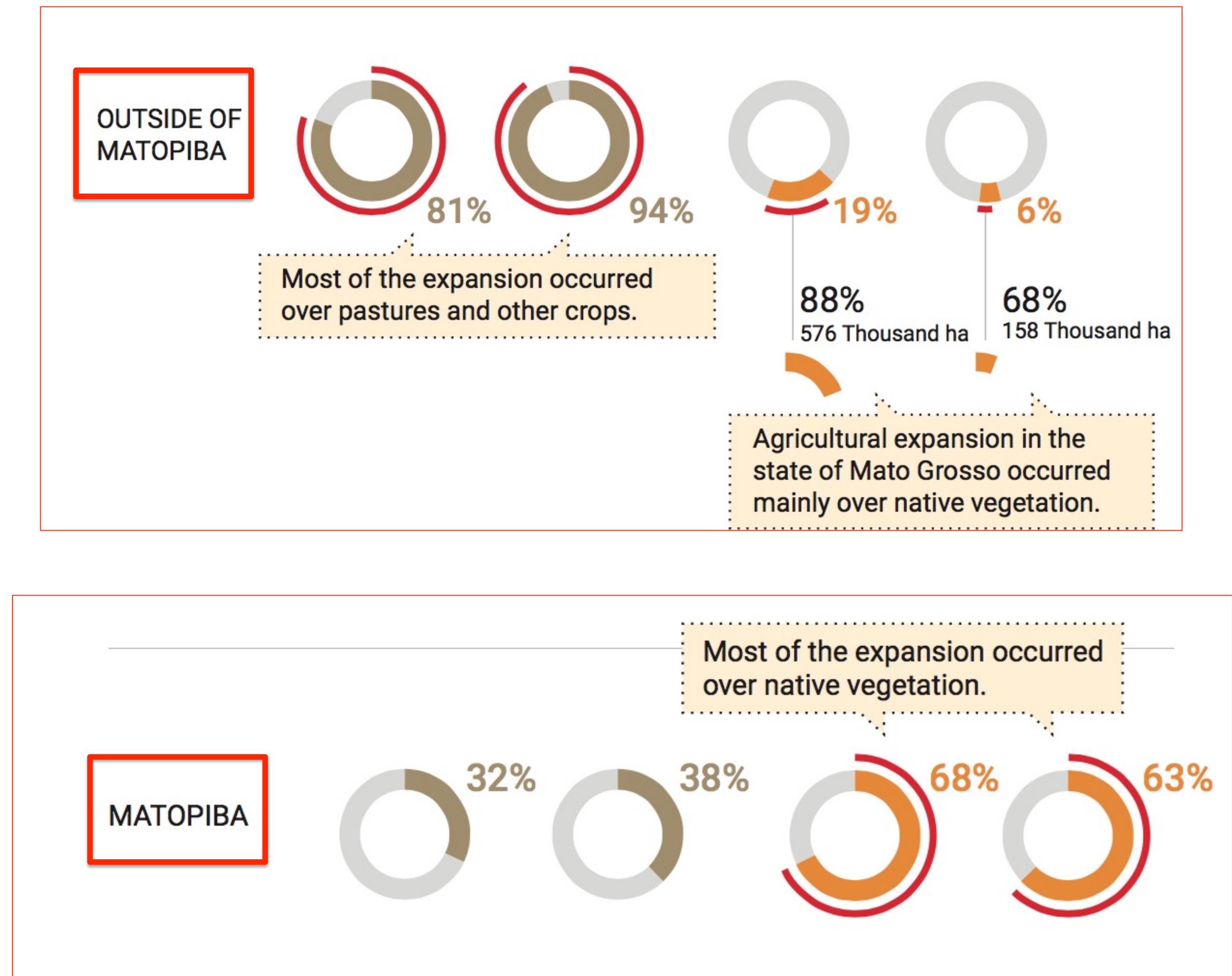
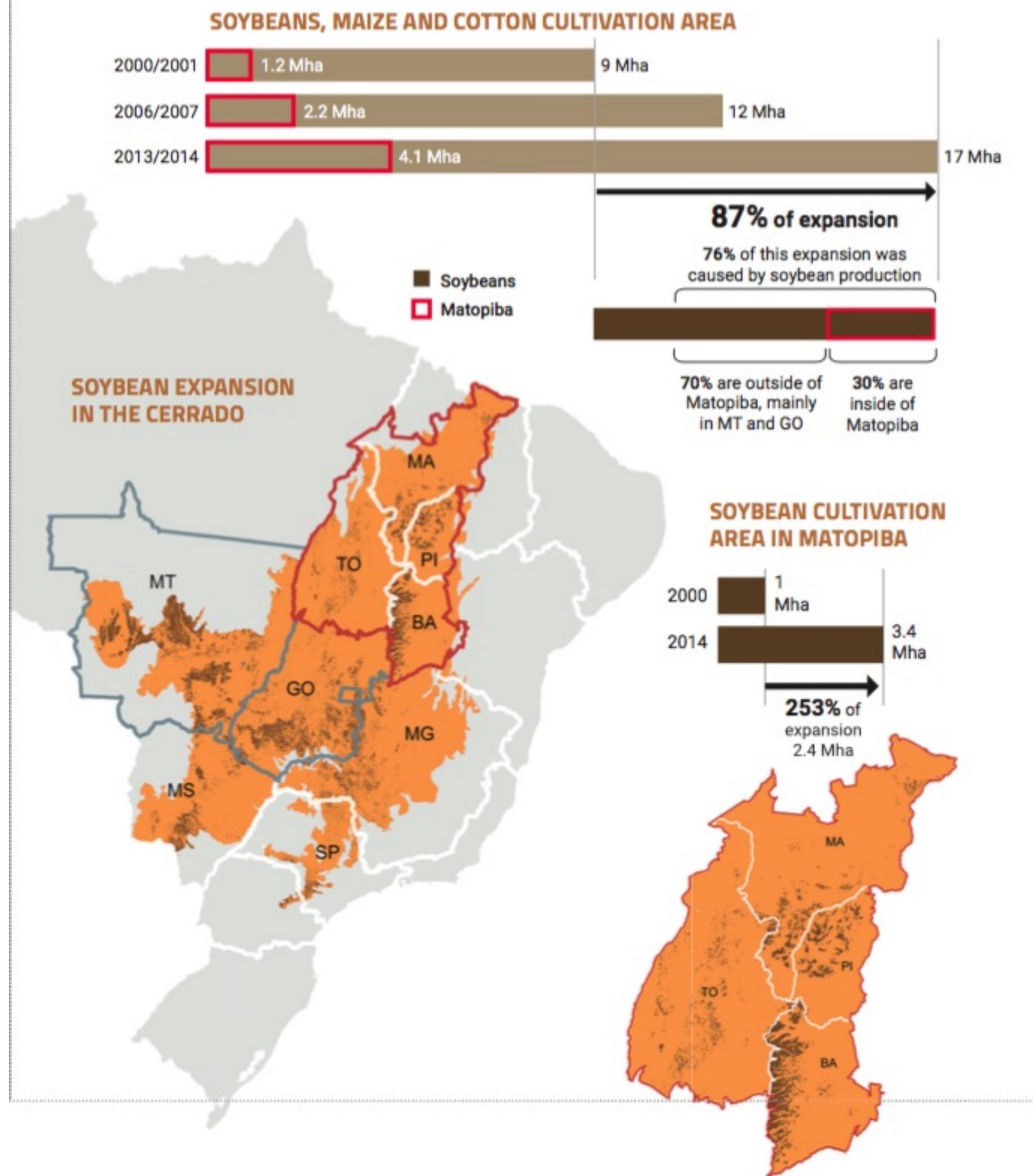


ANNUAL DEFORSTATION RATE
IN HA/YEAR

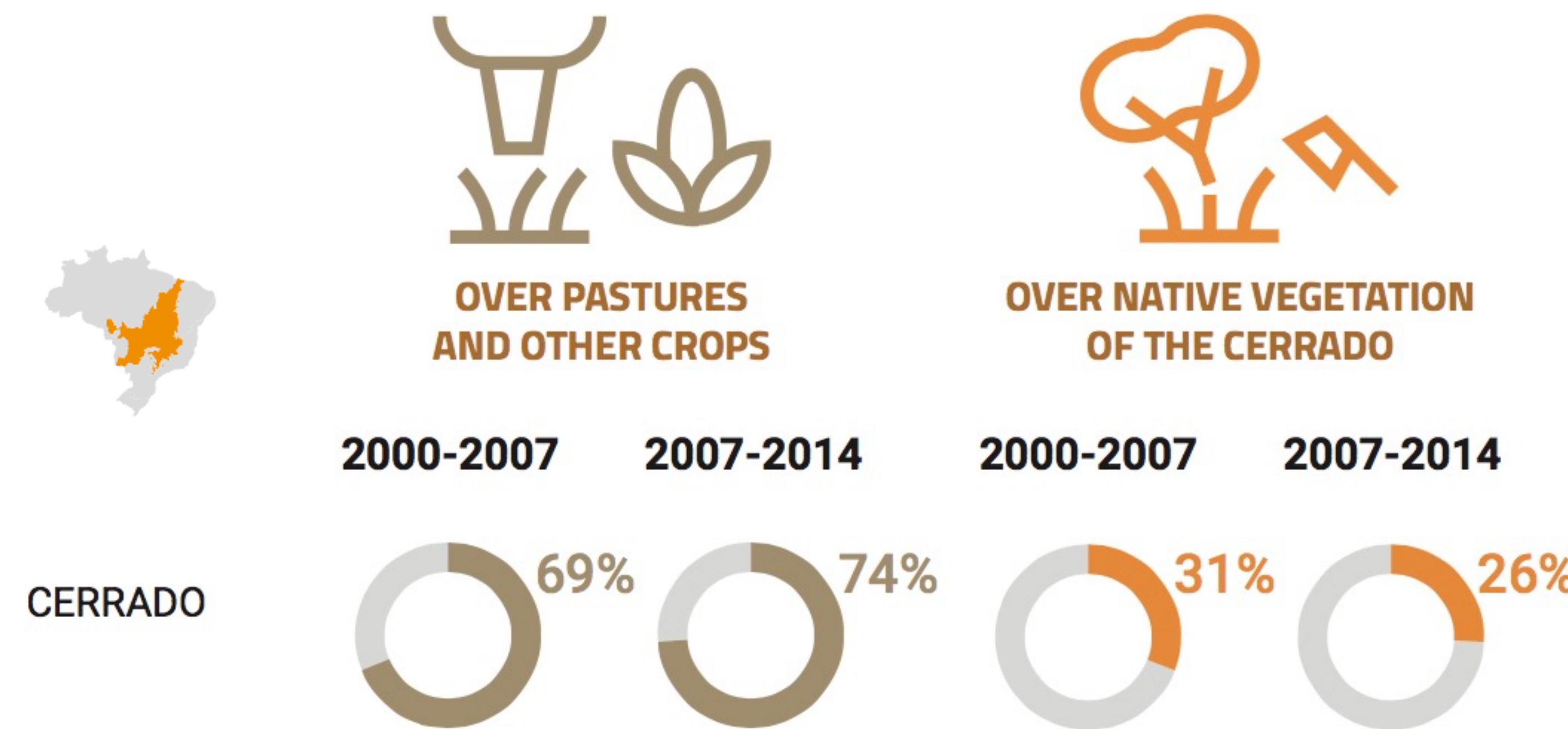
Amazon Cerrado

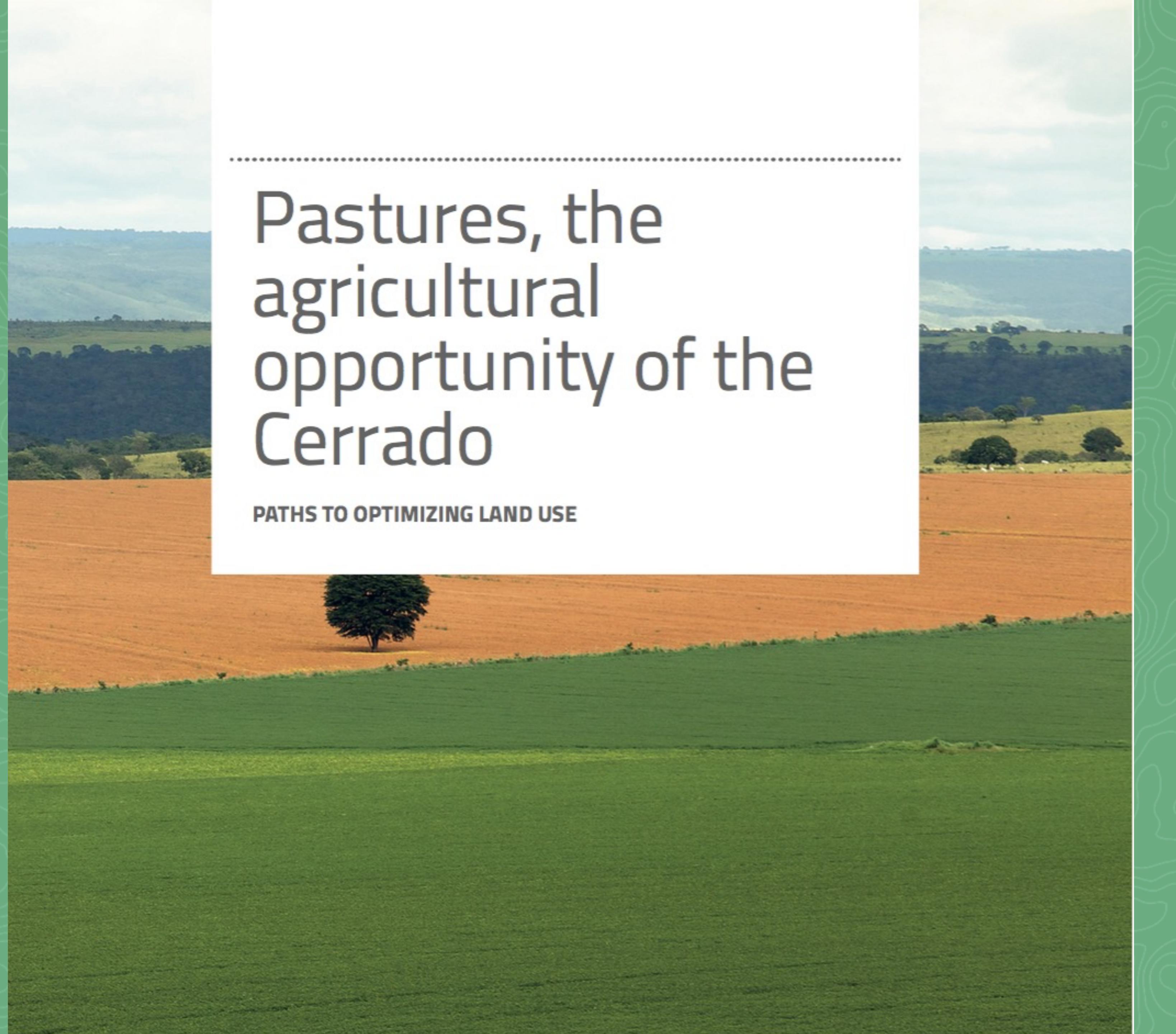


Agricultural expansion in the Cerrado 2000–2014



MODEL OF AGRICULTURAL EXPANSION IN THE CERRADO

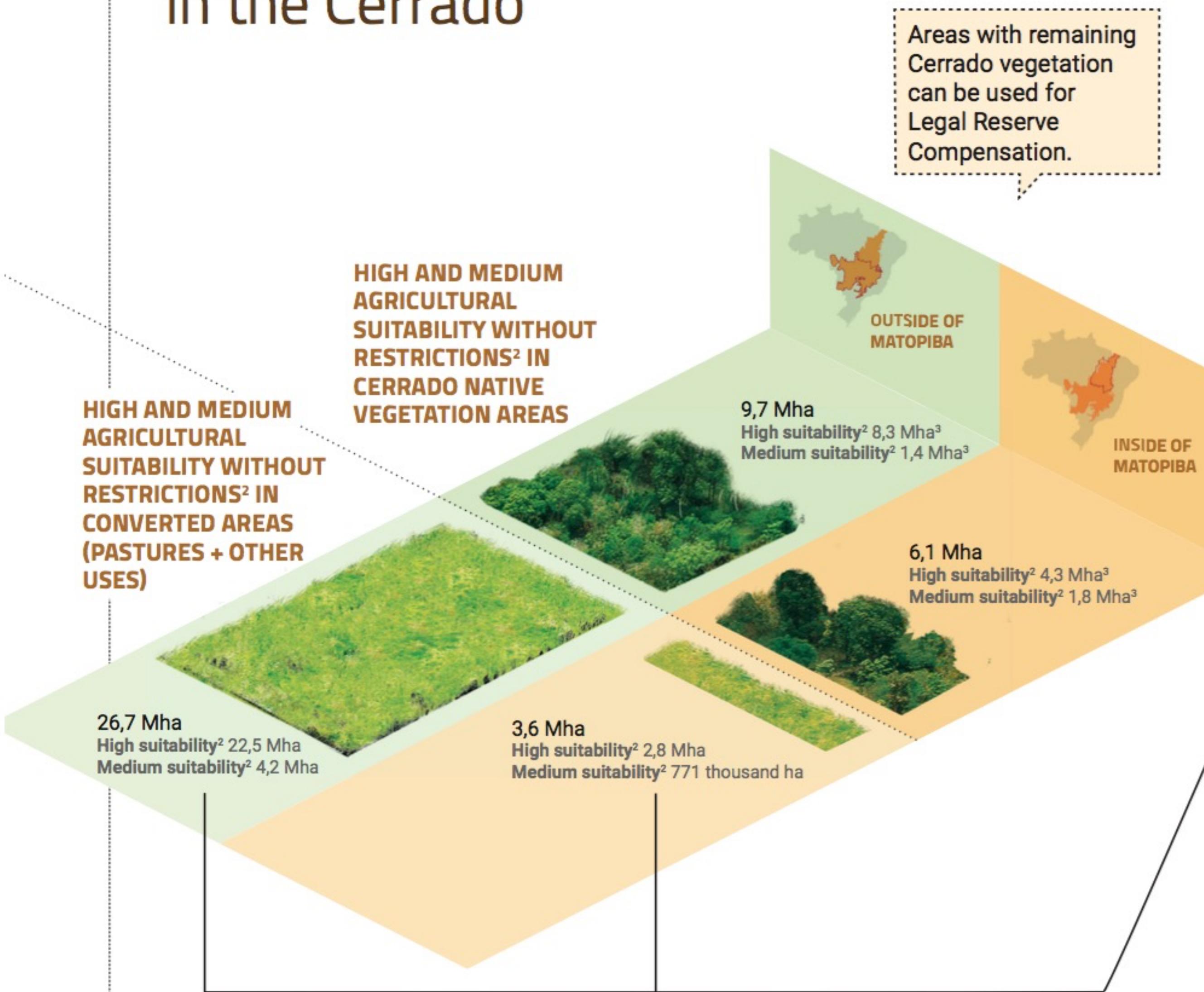




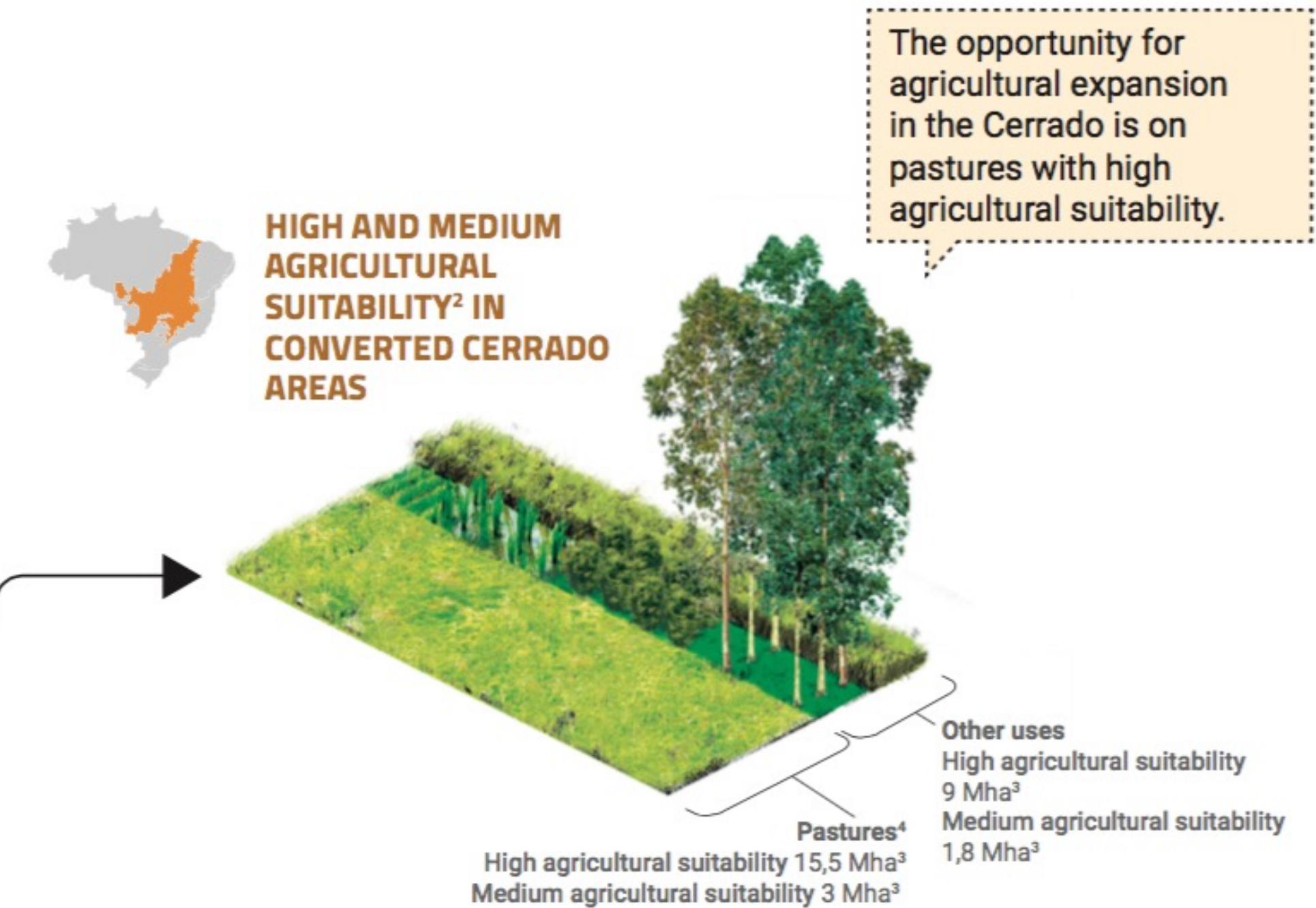
Pastures, the agricultural opportunity of the Cerrado

PATHS TO OPTIMIZING LAND USE

Agricultural suitability in the Cerrado

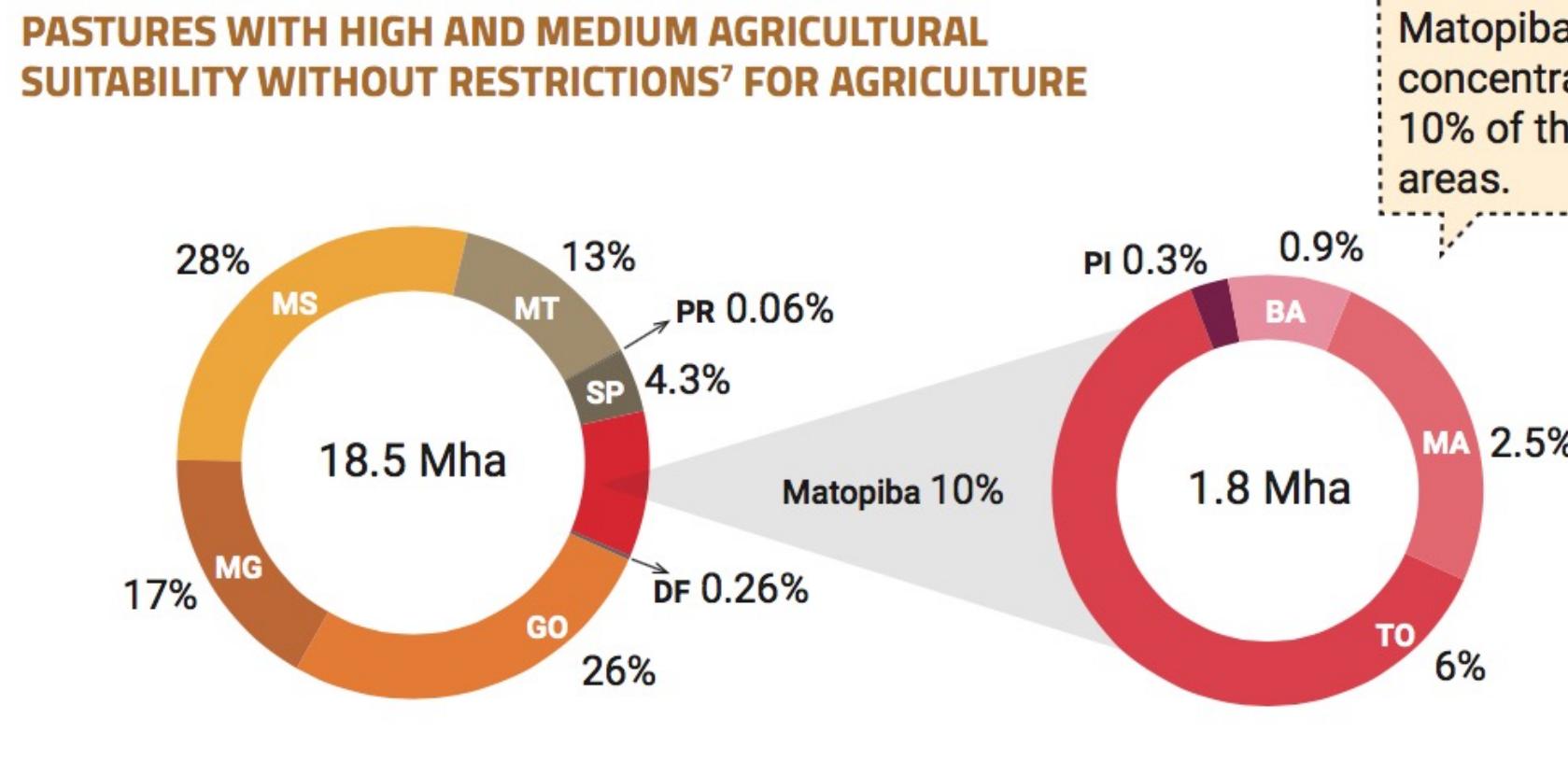


Pastures, the agricultural opportunity of the Cerrado



HIGH SOY SUITABILITY ON PASTURE

Agricultural suitability



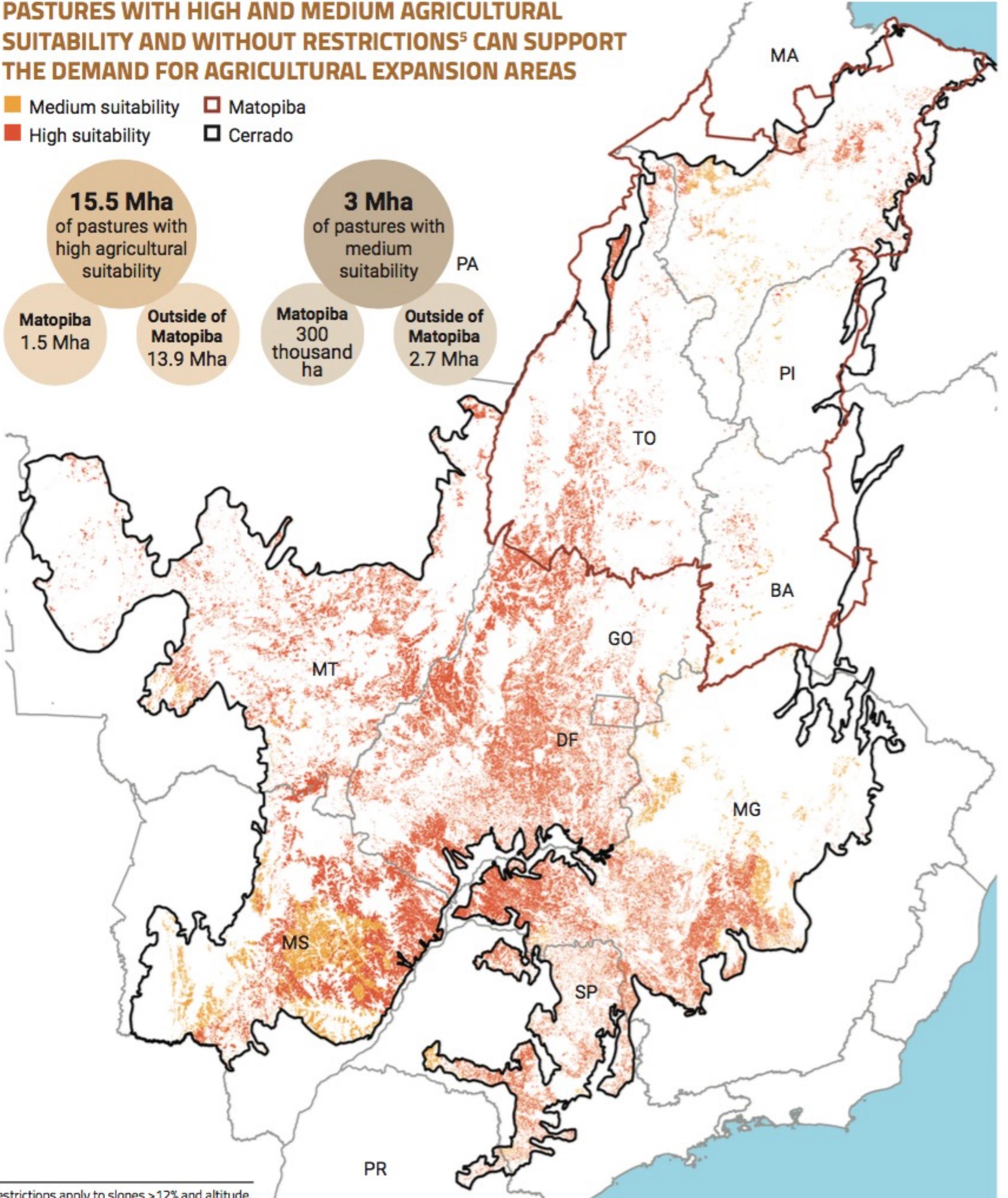
PASTURES WITH HIGH AND MEDIUM AGRICULTURAL SUITABILITY AND WITHOUT RESTRICTIONS⁵ CAN SUPPORT THE DEMAND FOR AGRICULTURAL EXPANSION AREAS

Medium suitability
High suitability

Matopiba
Cerrado

15.5 Mha
of pastures with high agricultural suitability
Matopiba 1.5 Mha
Outside of Matopiba 13.9 Mha

3 Mha
of pastures with medium suitability
Matopiba 300 thousand ha
Outside of Matopiba 2.7 Mha

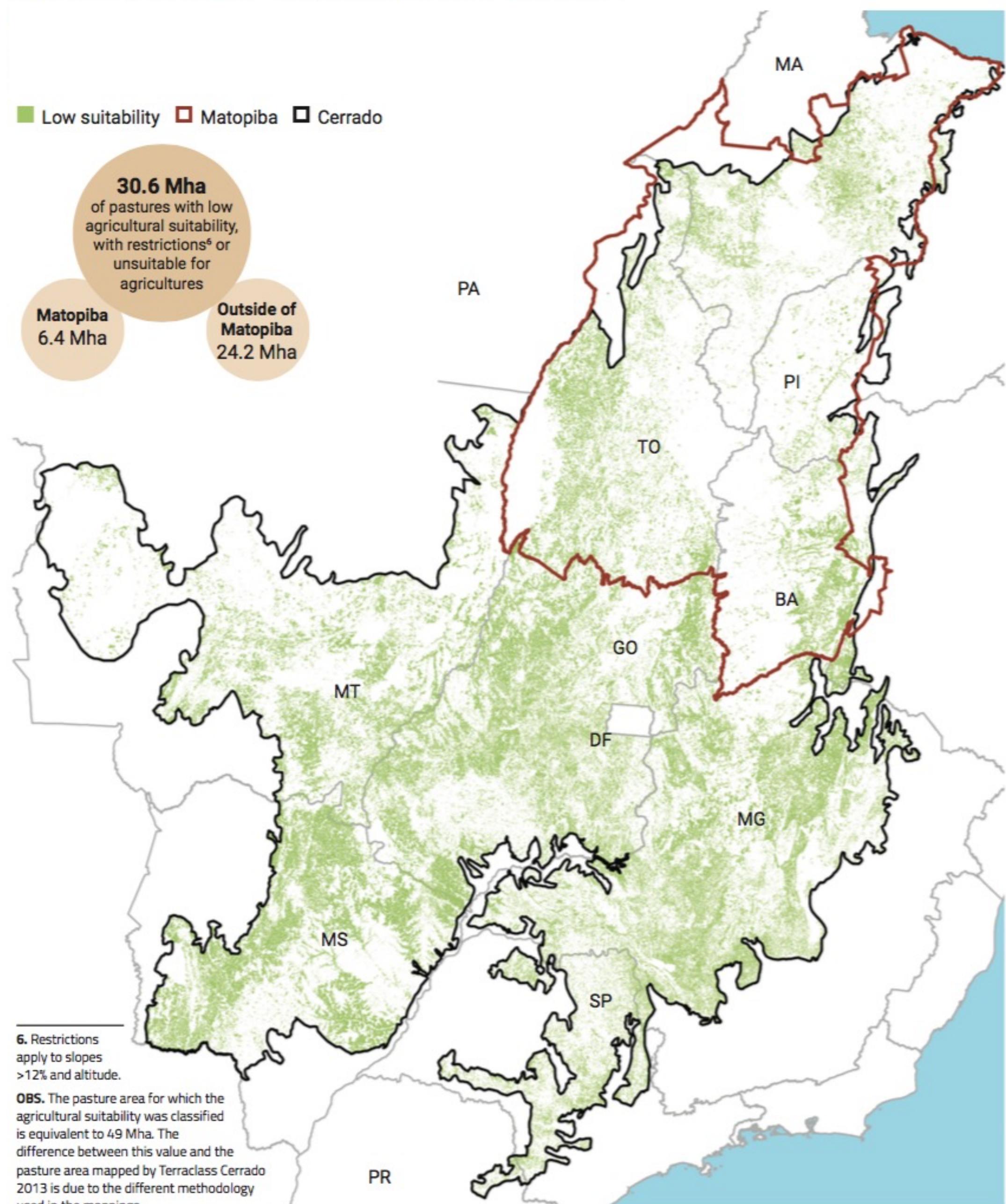
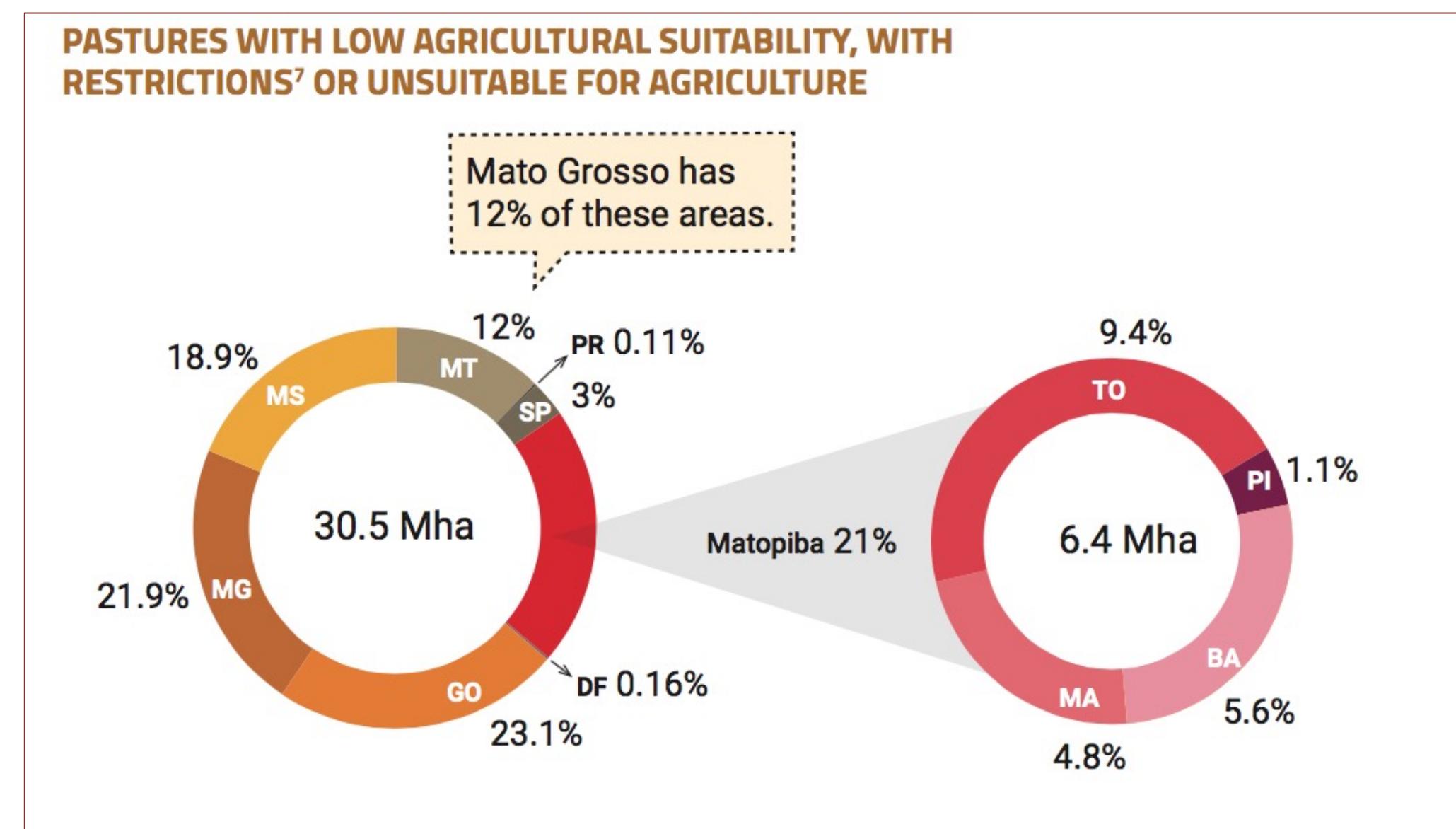


5. Restrictions apply to slopes >12% and altitude.

LOW SOY SUITABILITY ON PASTURE

■ Low suitability ■ Matopiba ■ Cerrado

30.6 Mha
of pastures with low agricultural suitability, with restrictions⁶ or unsuitable for agriculture
Matopiba 6.4 Mha
Outside of Matopiba 24.2 Mha

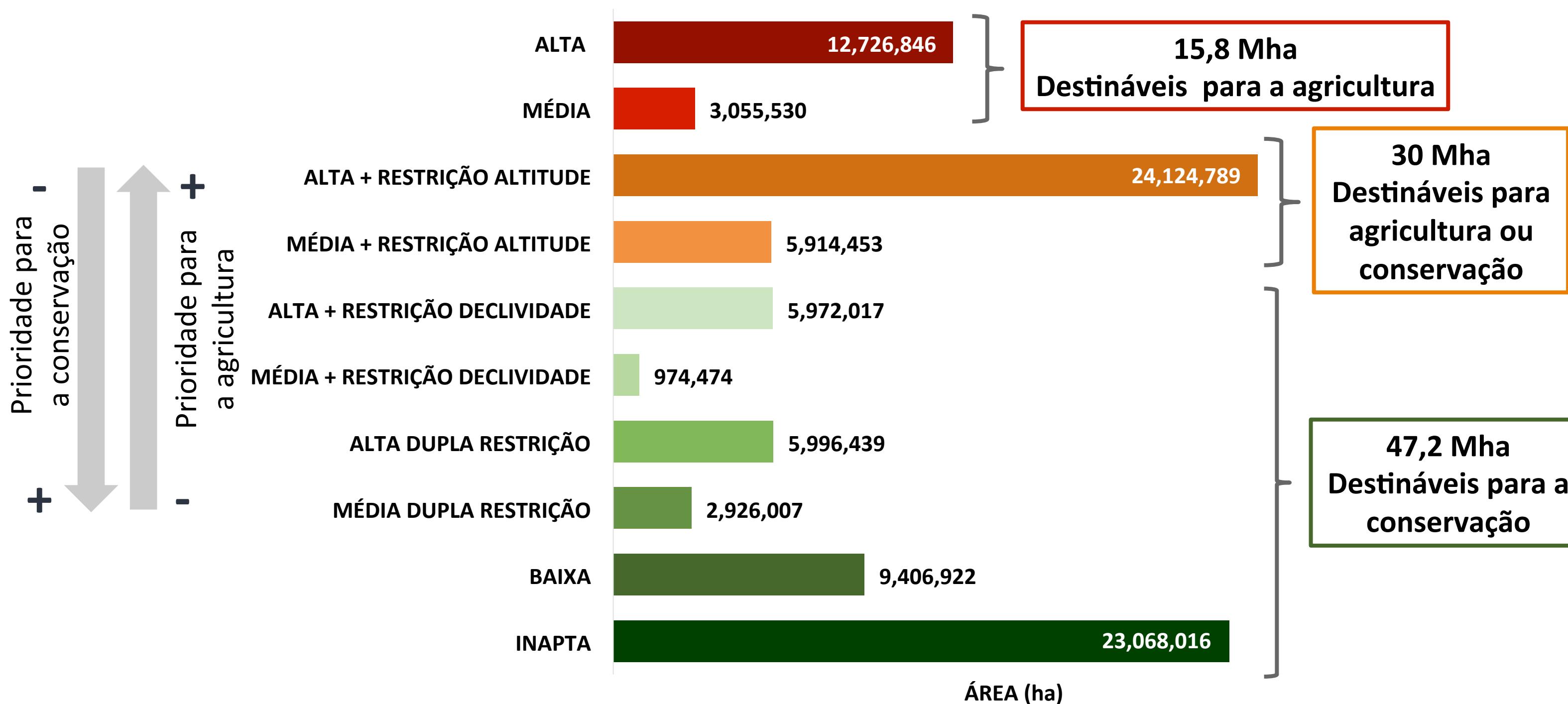




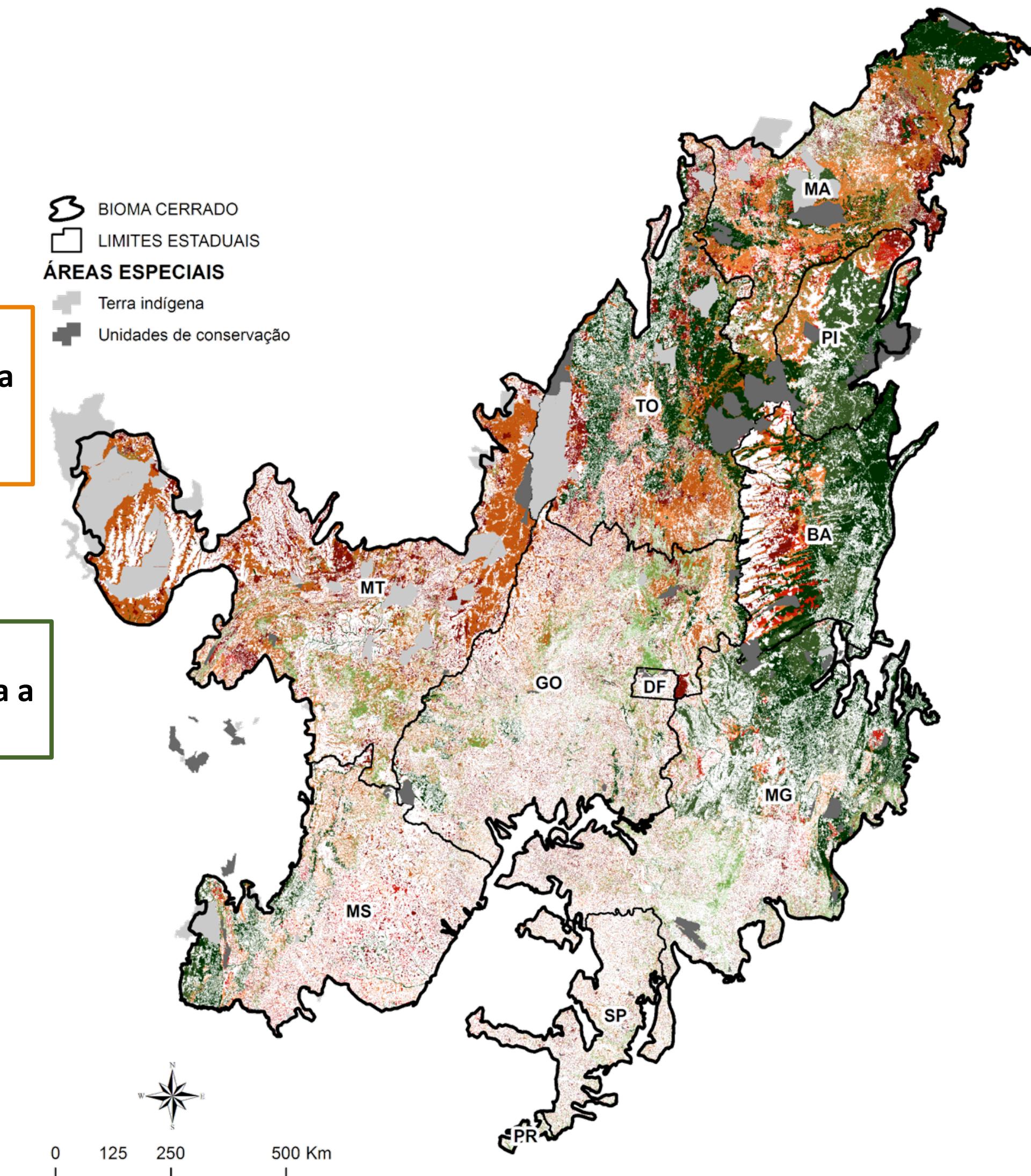
DEMAND OF FOREST LAW IN THE CERRADO

AGRICULTURAL SUITABILITY ON NATIVE VEGETATION IN PRIVATE AREAS*

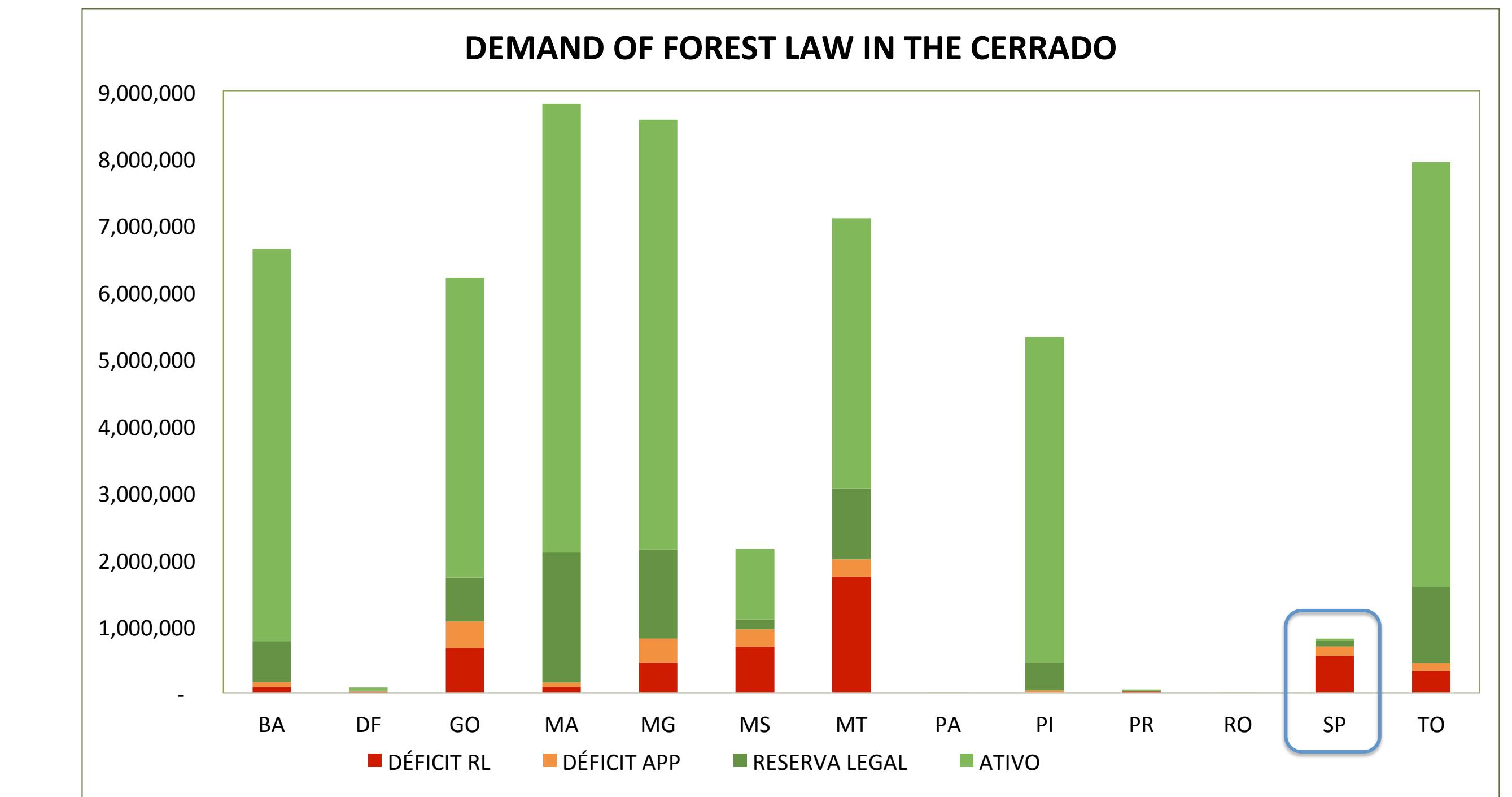
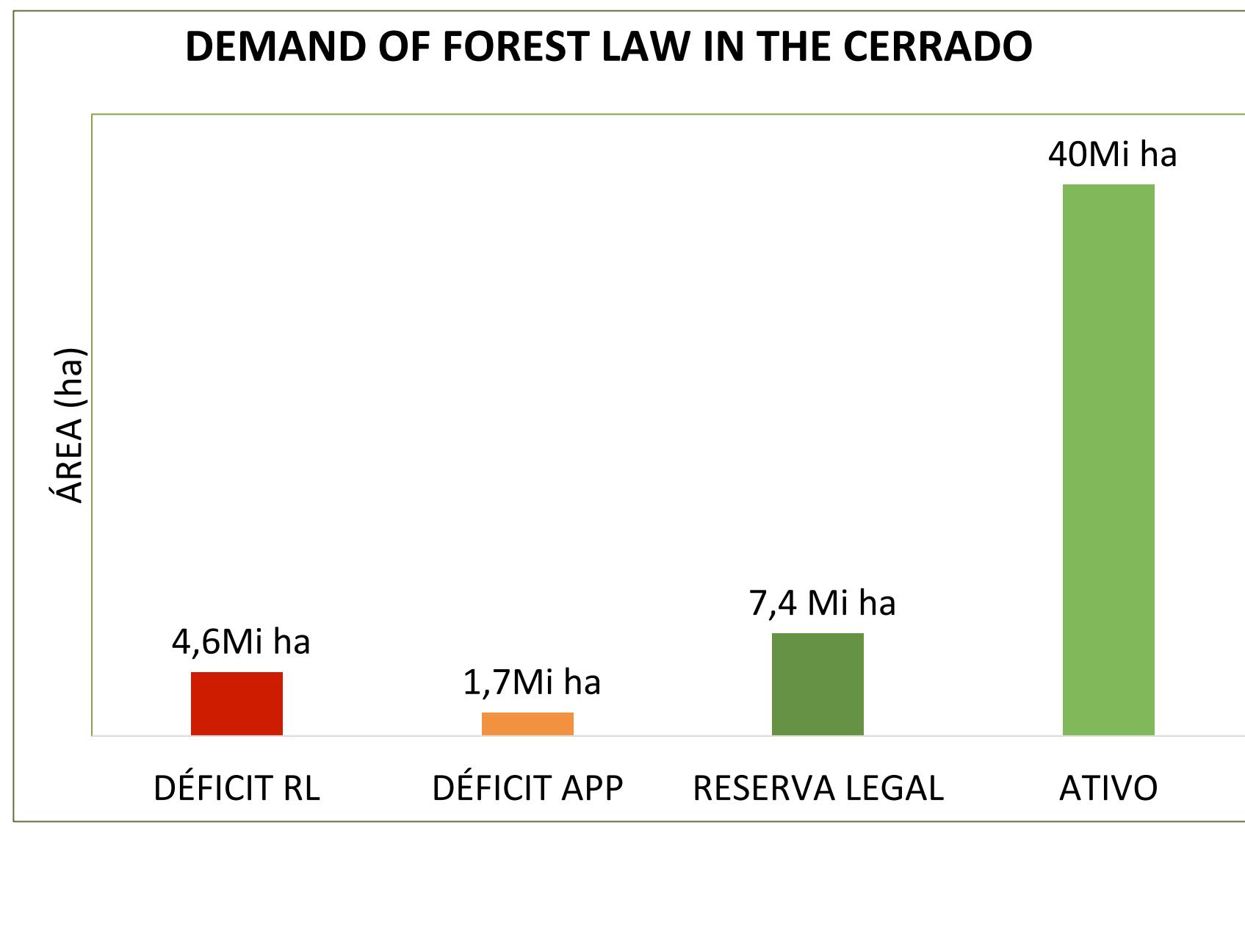
(TOTAL = 93 Mha)



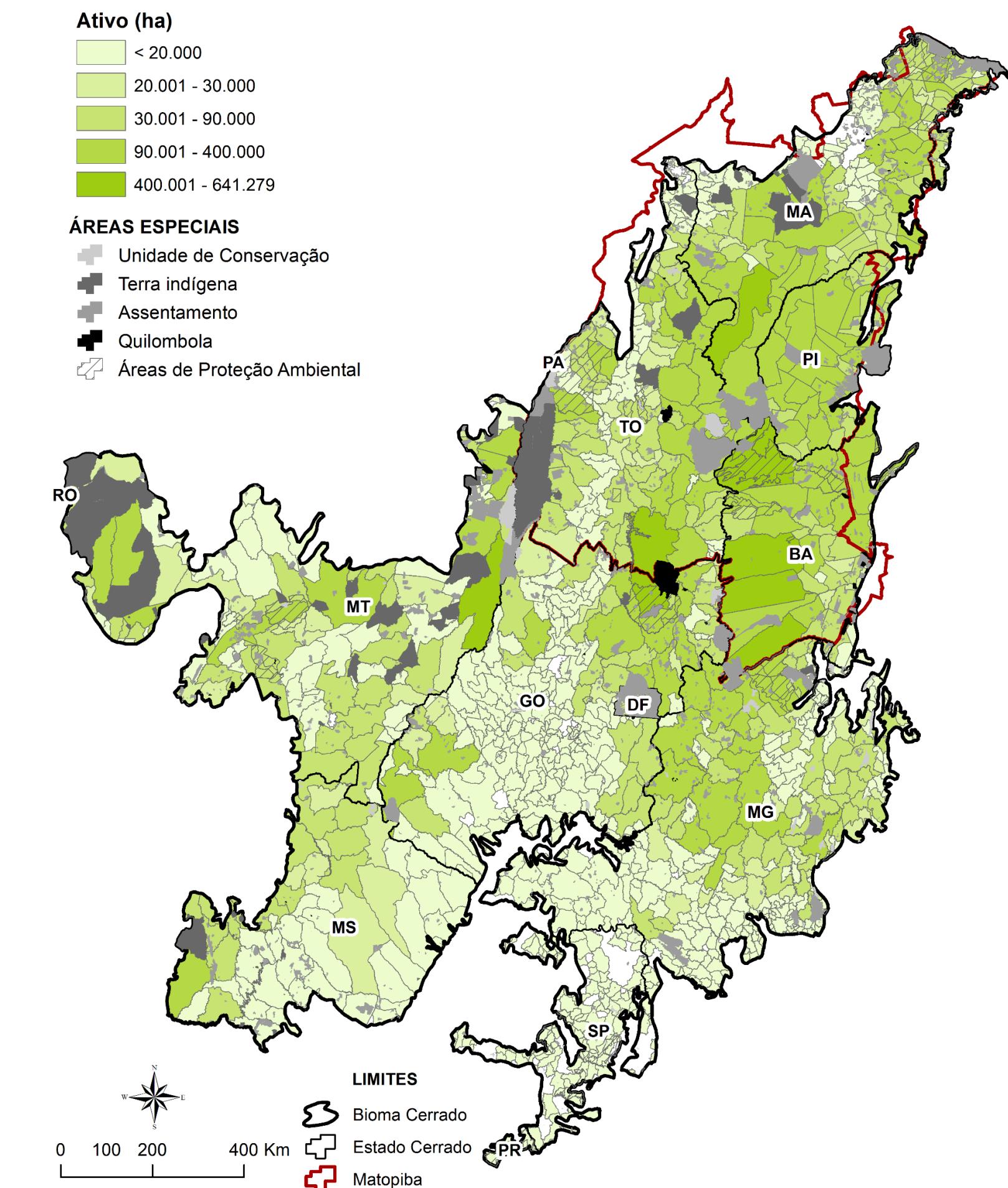
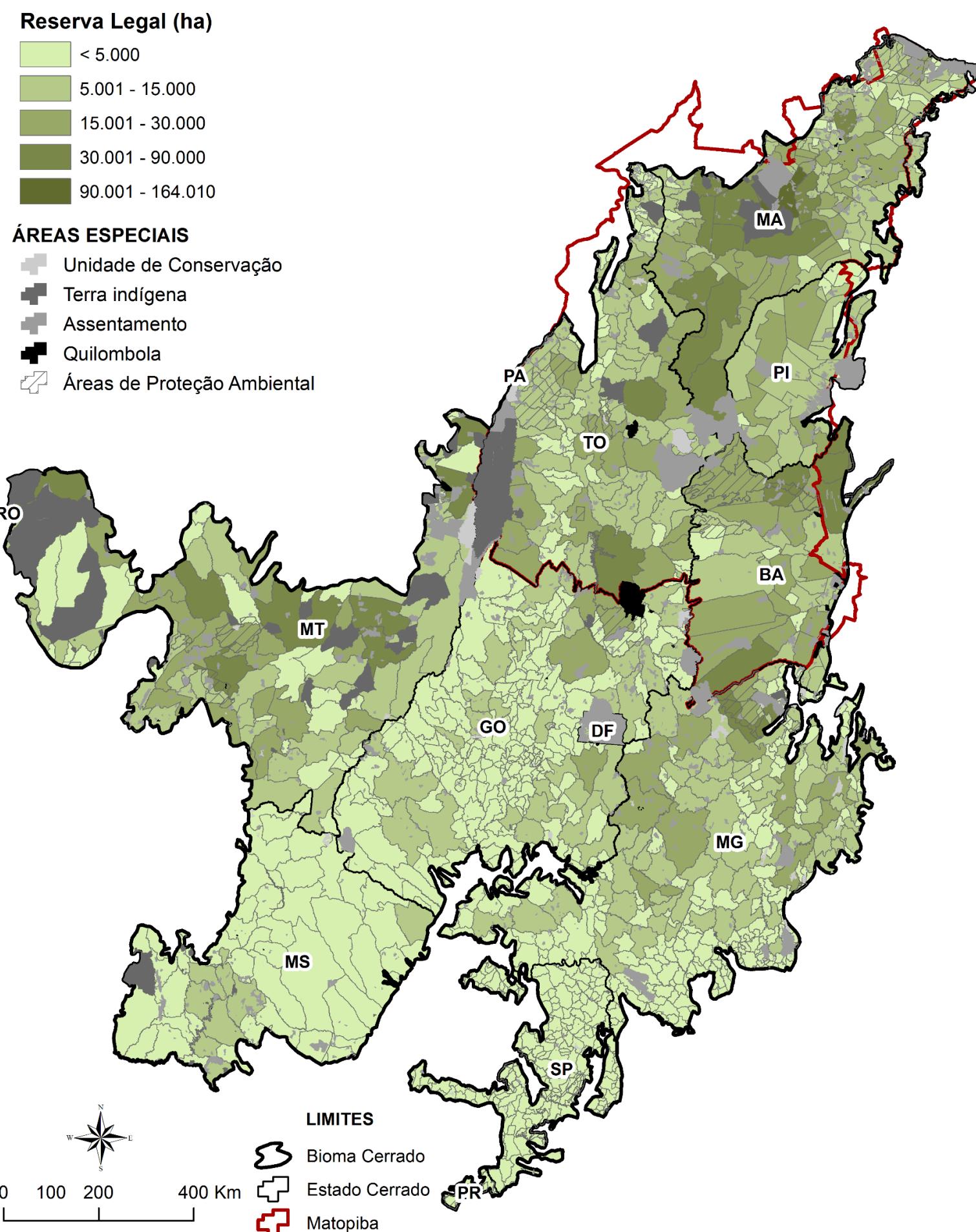
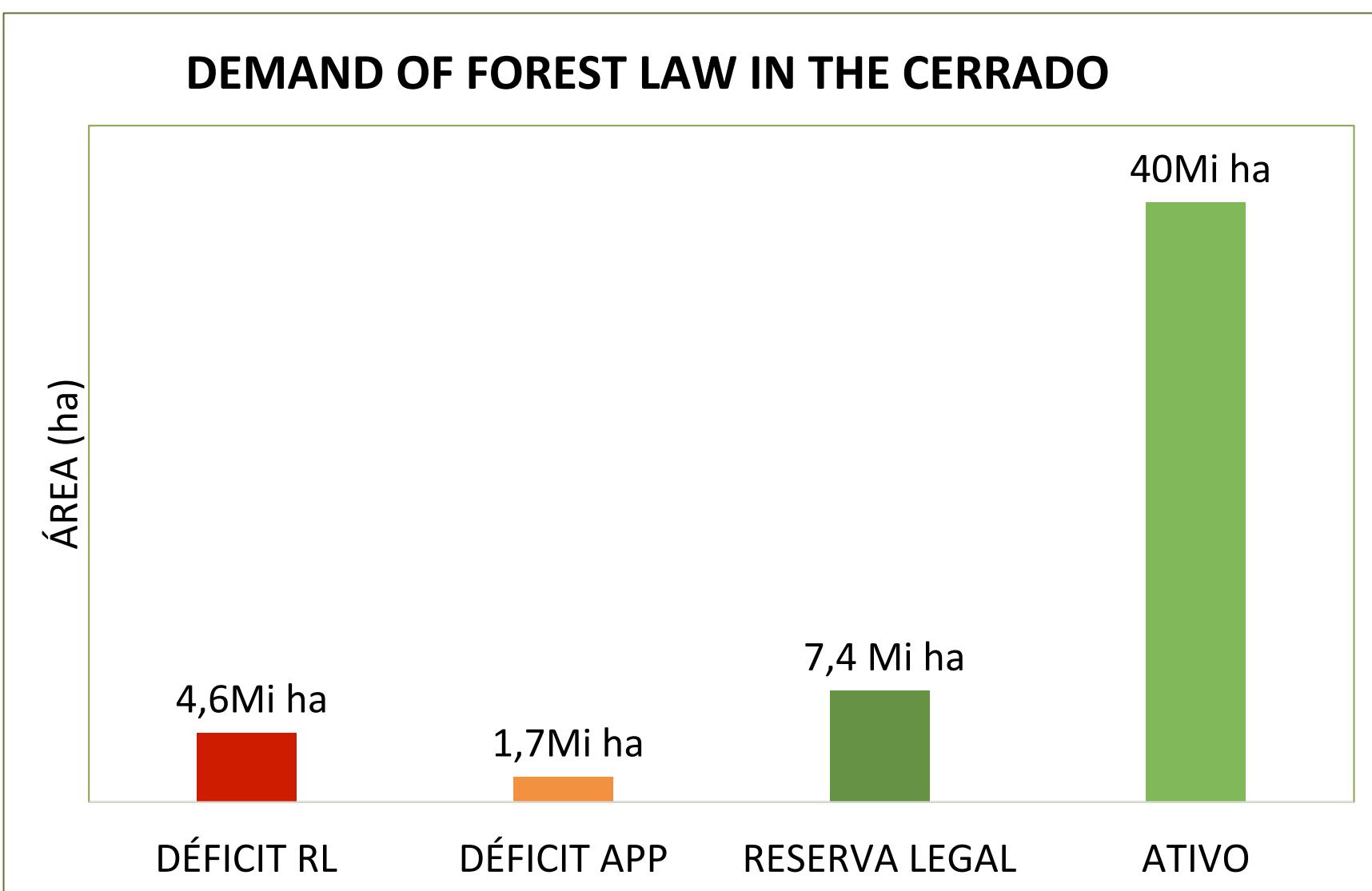
* Descontados valores de vegetação em UC e TI



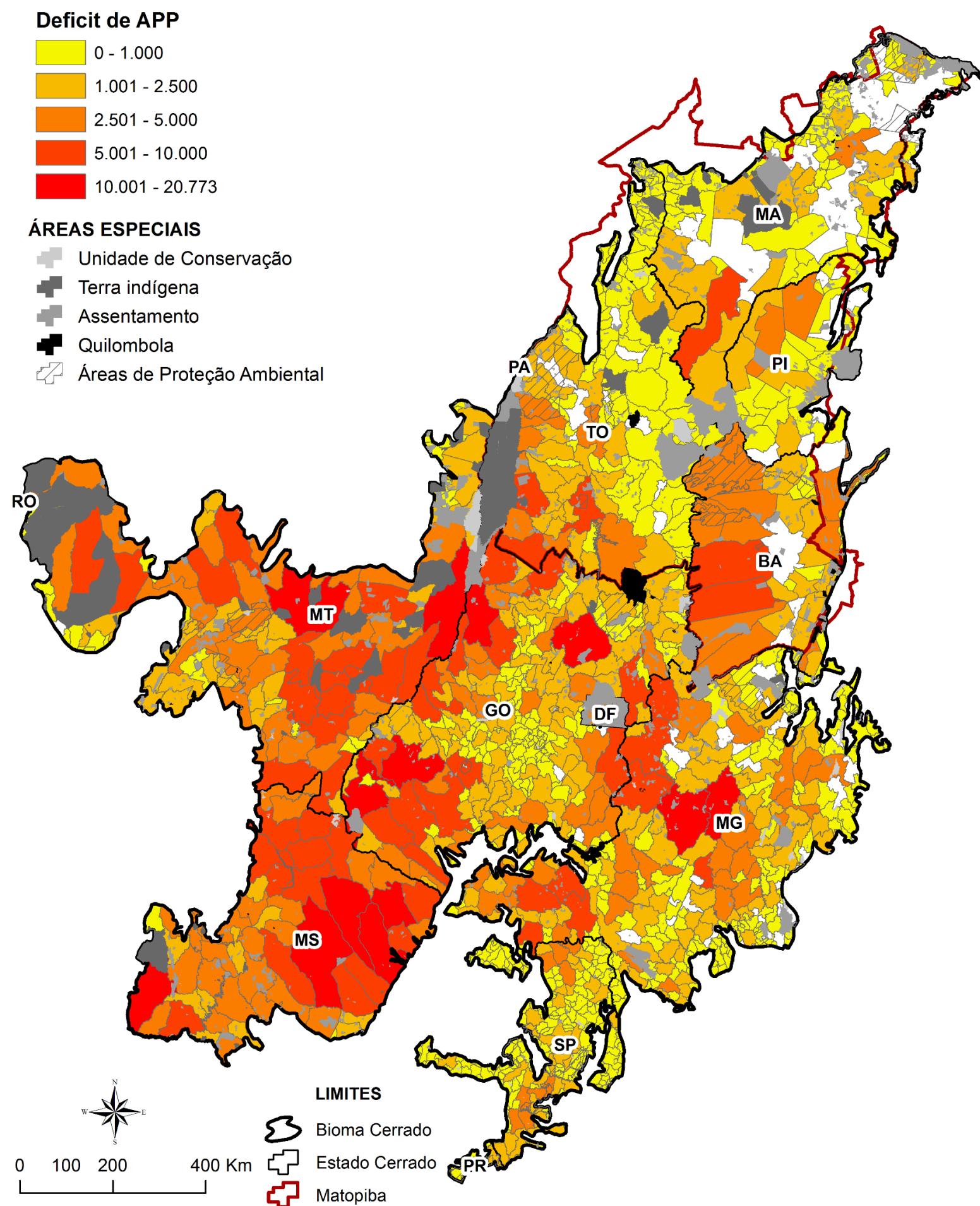
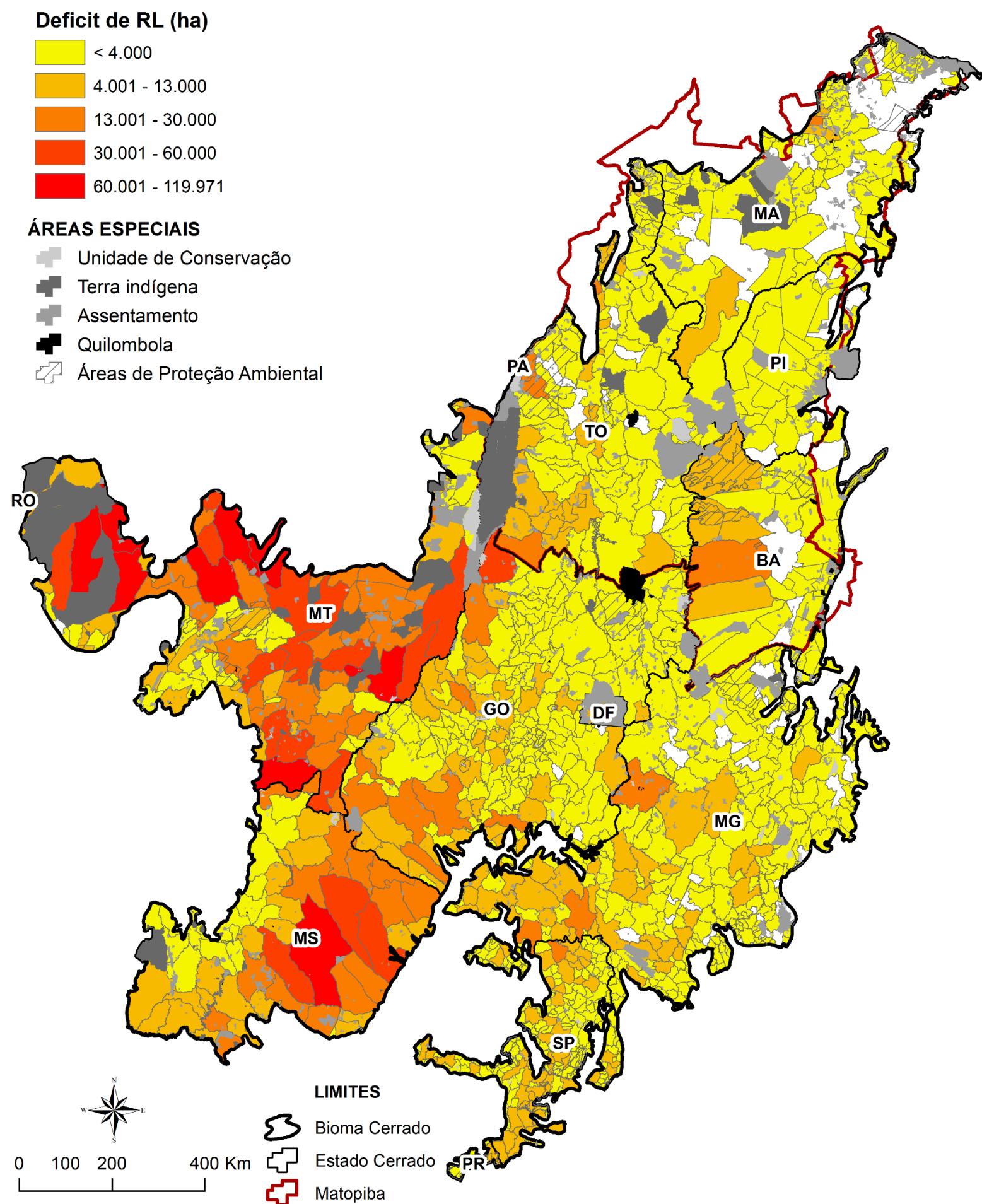
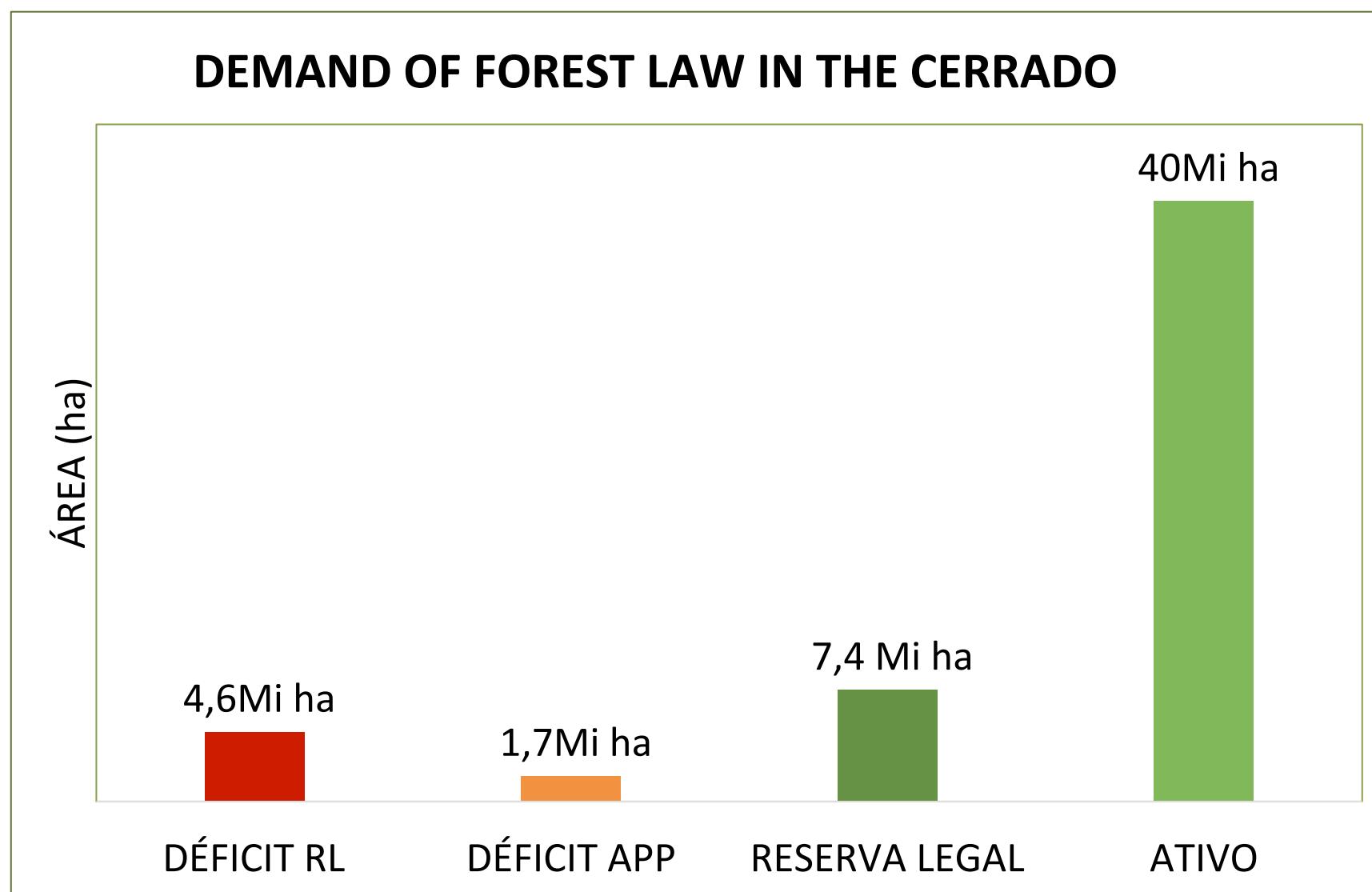
DEMAND OF FOREST LAW IN THE CERRADO



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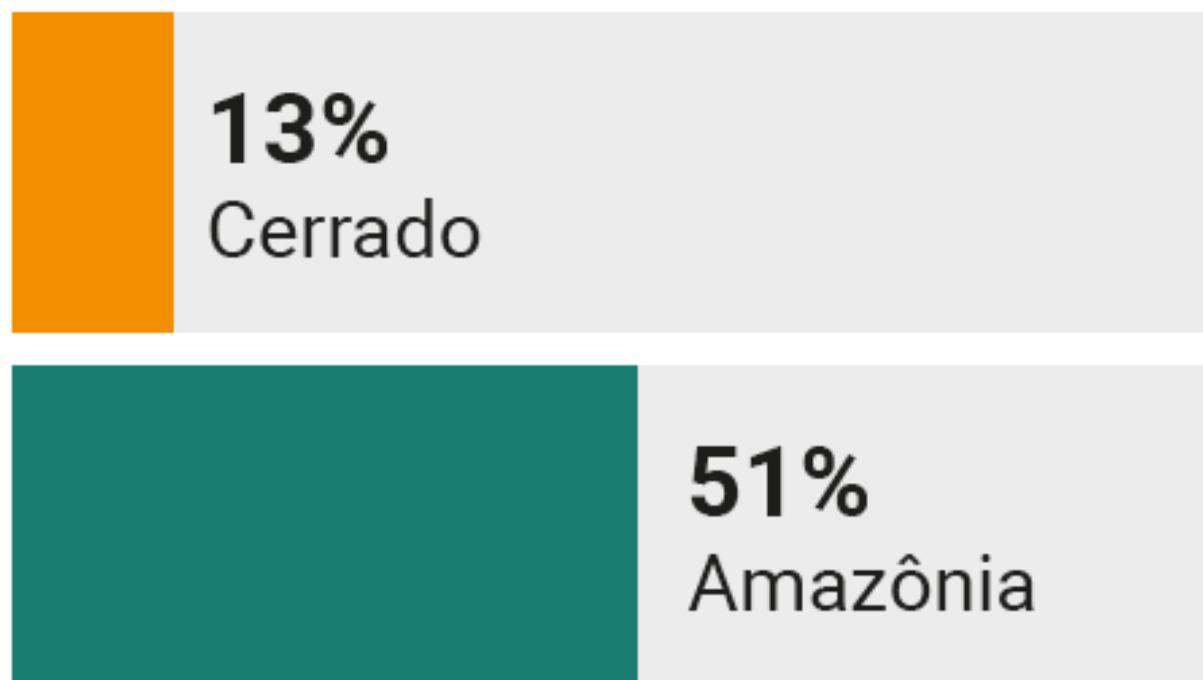


POSSIBILITIES FOR PRIVATE CONSERVATION IN THE CERRADO

ÁREAS PROTEGIDAS NO CERRADO

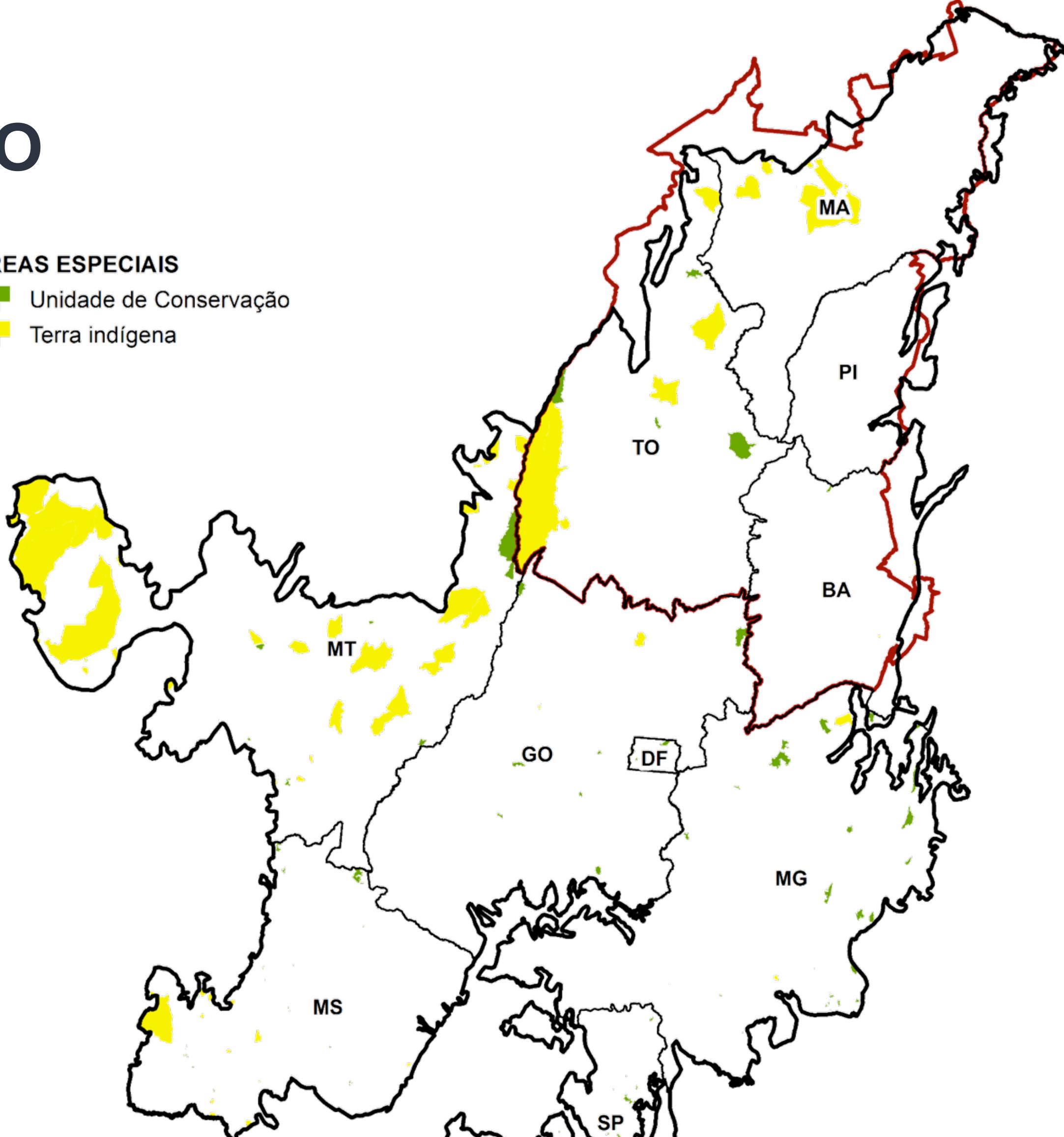
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UNIDADES DE CONSERVAÇÃO
(UCS) E TERRAS INDÍGENAS



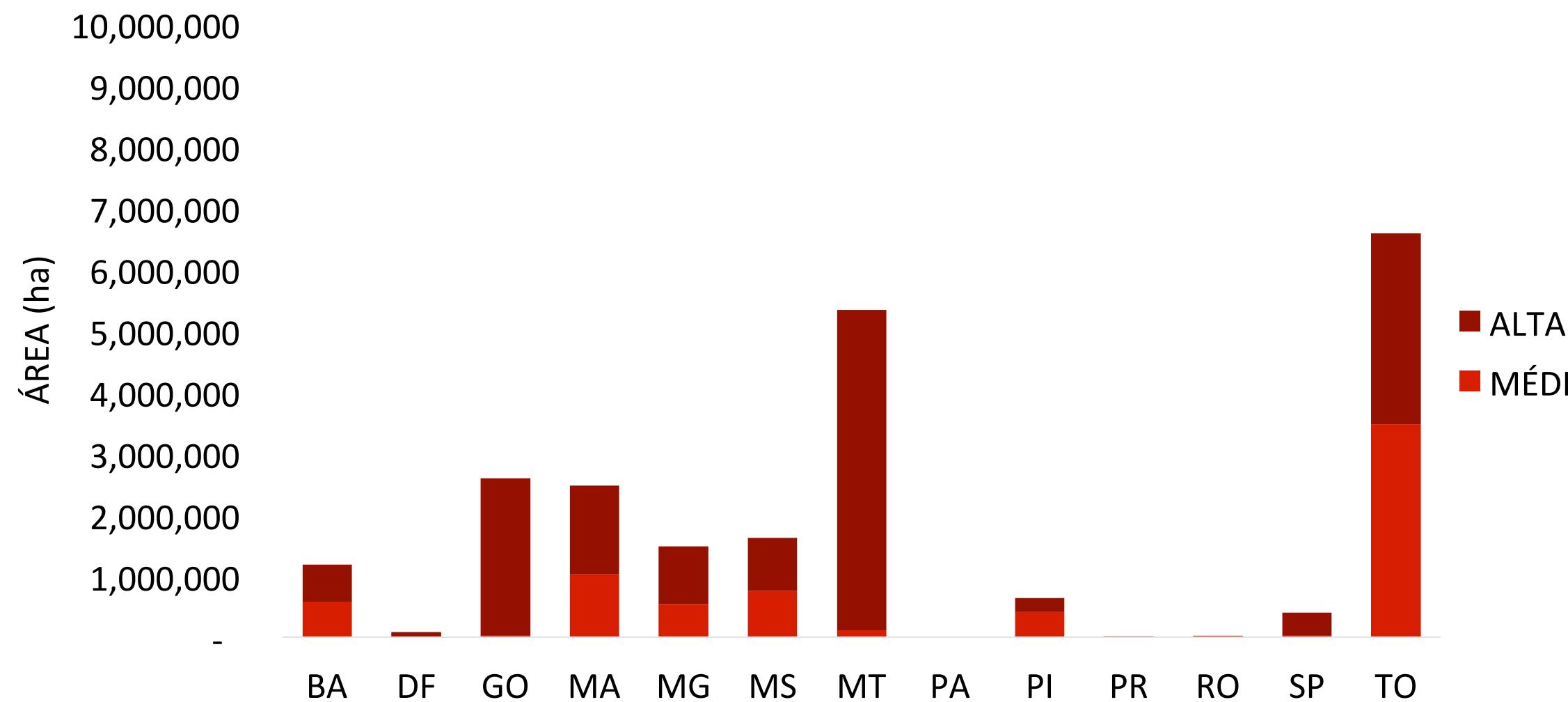
ÁREAS ESPECIAIS

- Unidade de Conservação
- Terra indígena

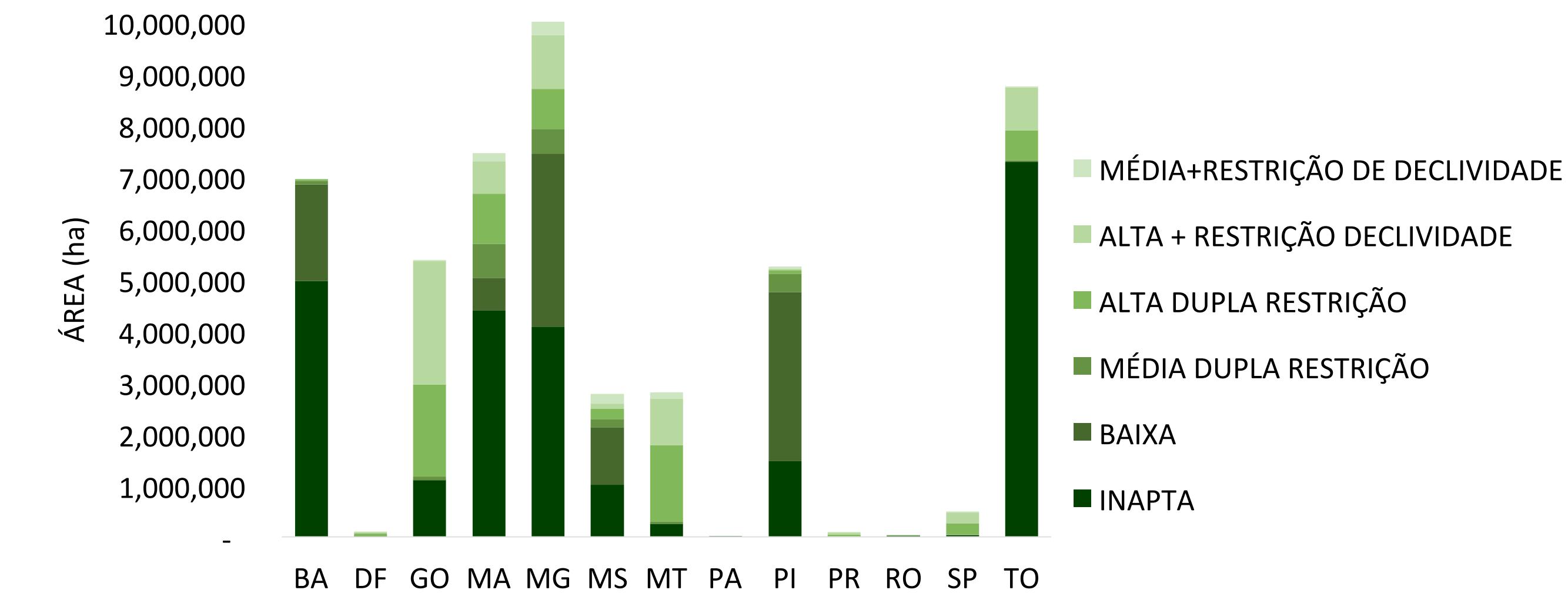


AGRICULTURAL SUITABILITY ON NATIVE VEGETATION IN PRIVATE AREAS

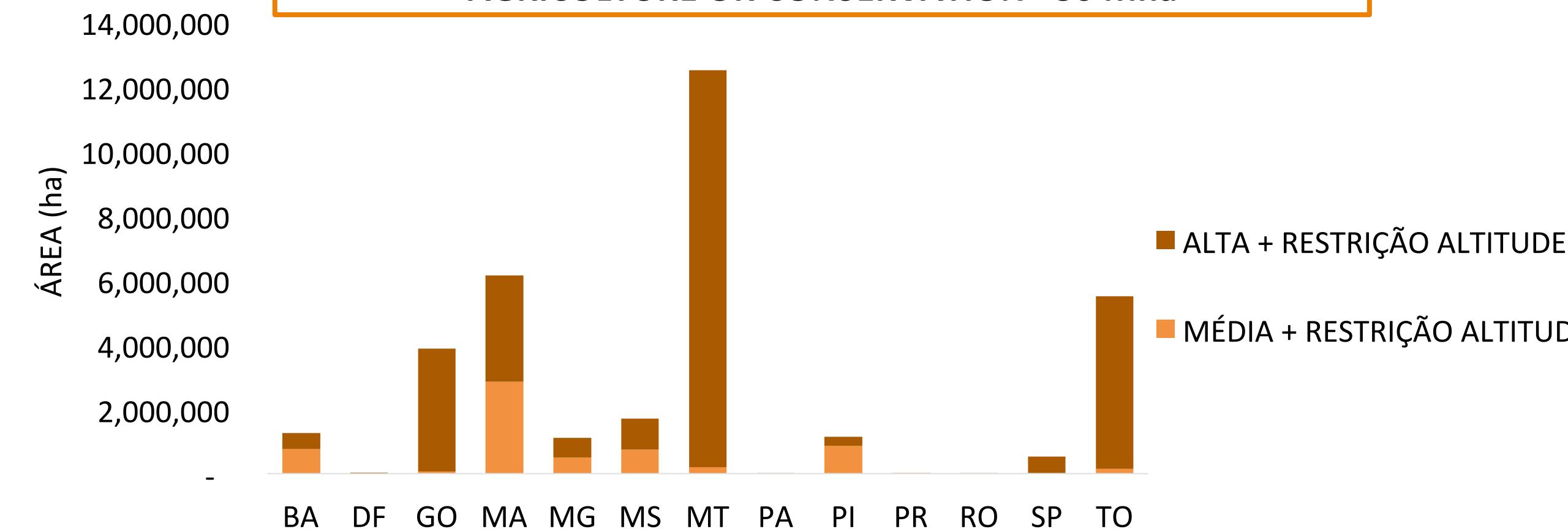
AGRICULTURA ~15,8 Mha



CONSERVATION ~47,2 Mha



AGRICULTURE OR CONSERVATION ~30 Mha



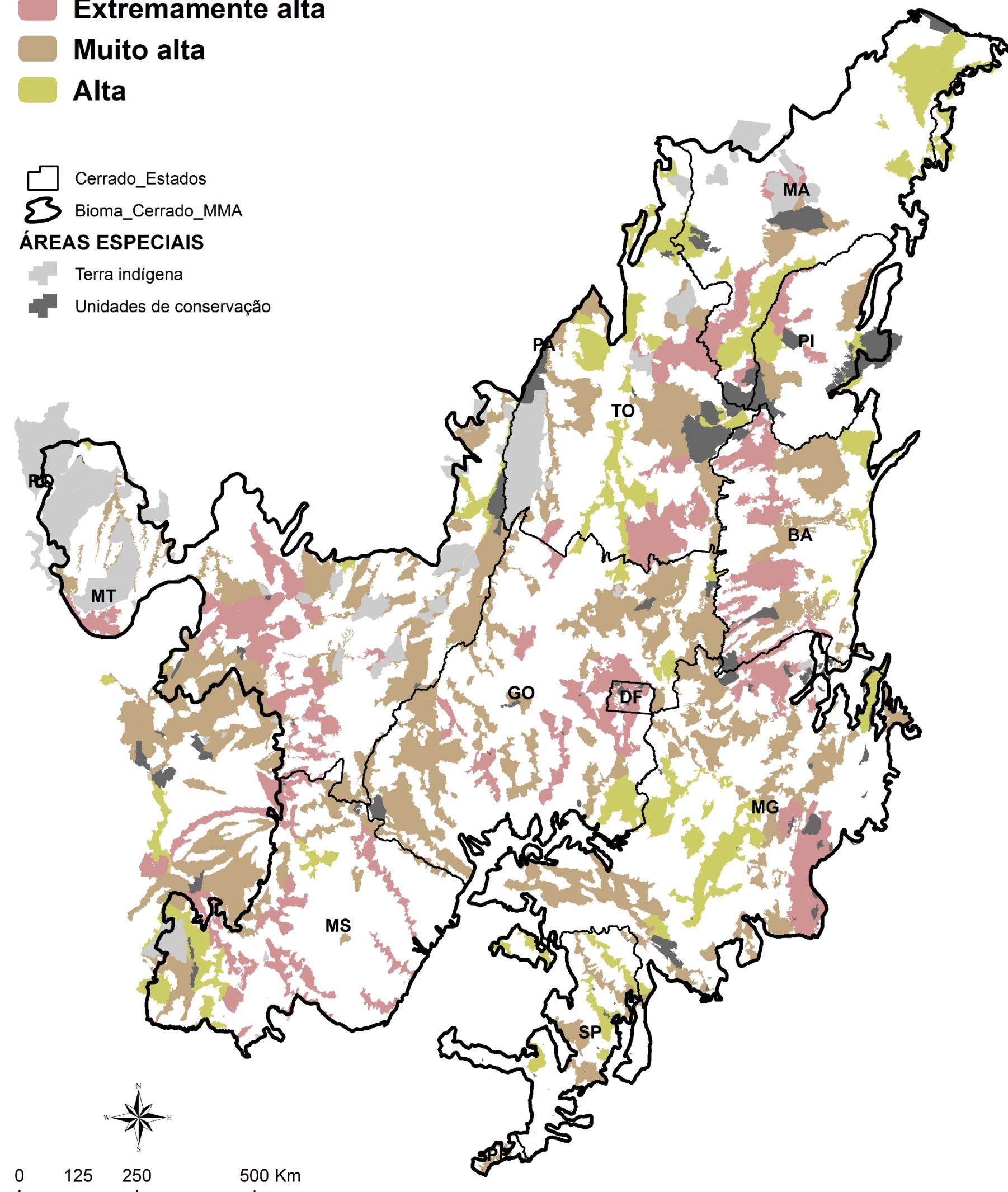
PRIORITIES FOR CONSERVATION FROM MINISTRY OF ENVIRONMENT (MMA-2010)

PRIORIDADE DE CONSERVAÇÃO

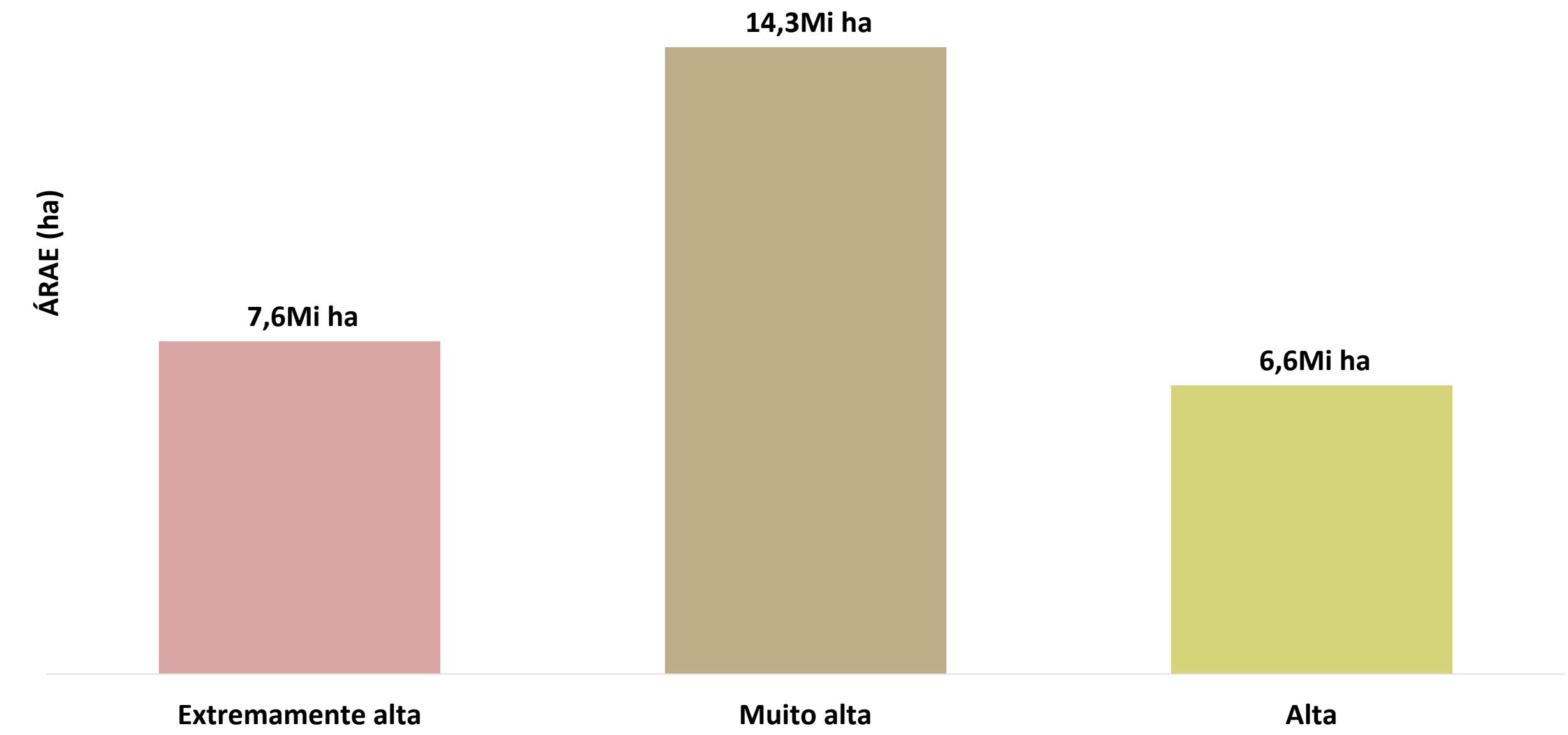
- Extremamente alta
- Muito alta
- Alta

Cerrado_Estados
Bioma_Cerrado_MMA

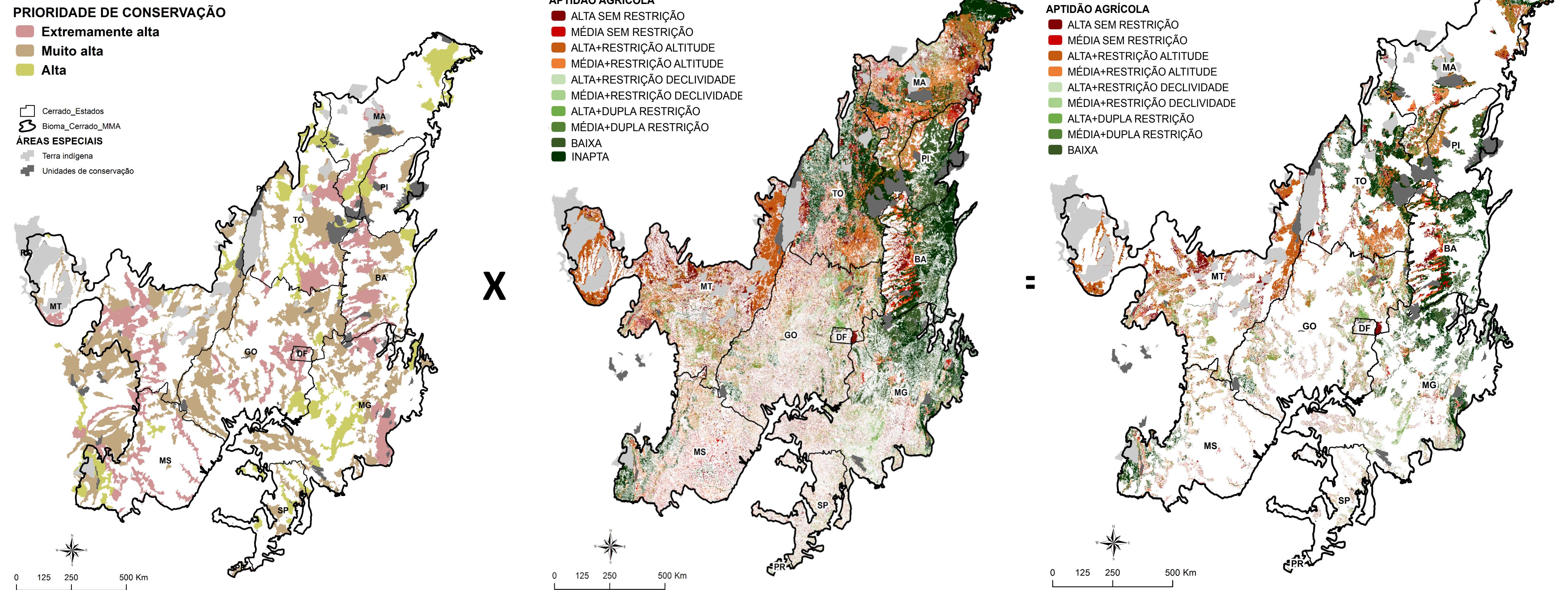
ÁREAS ESPECIAIS
Terra indígena
Unidades de conservação



GRADIENT OF PRIORITIES FOR CONSERVATION (Total=28,5 Mha)

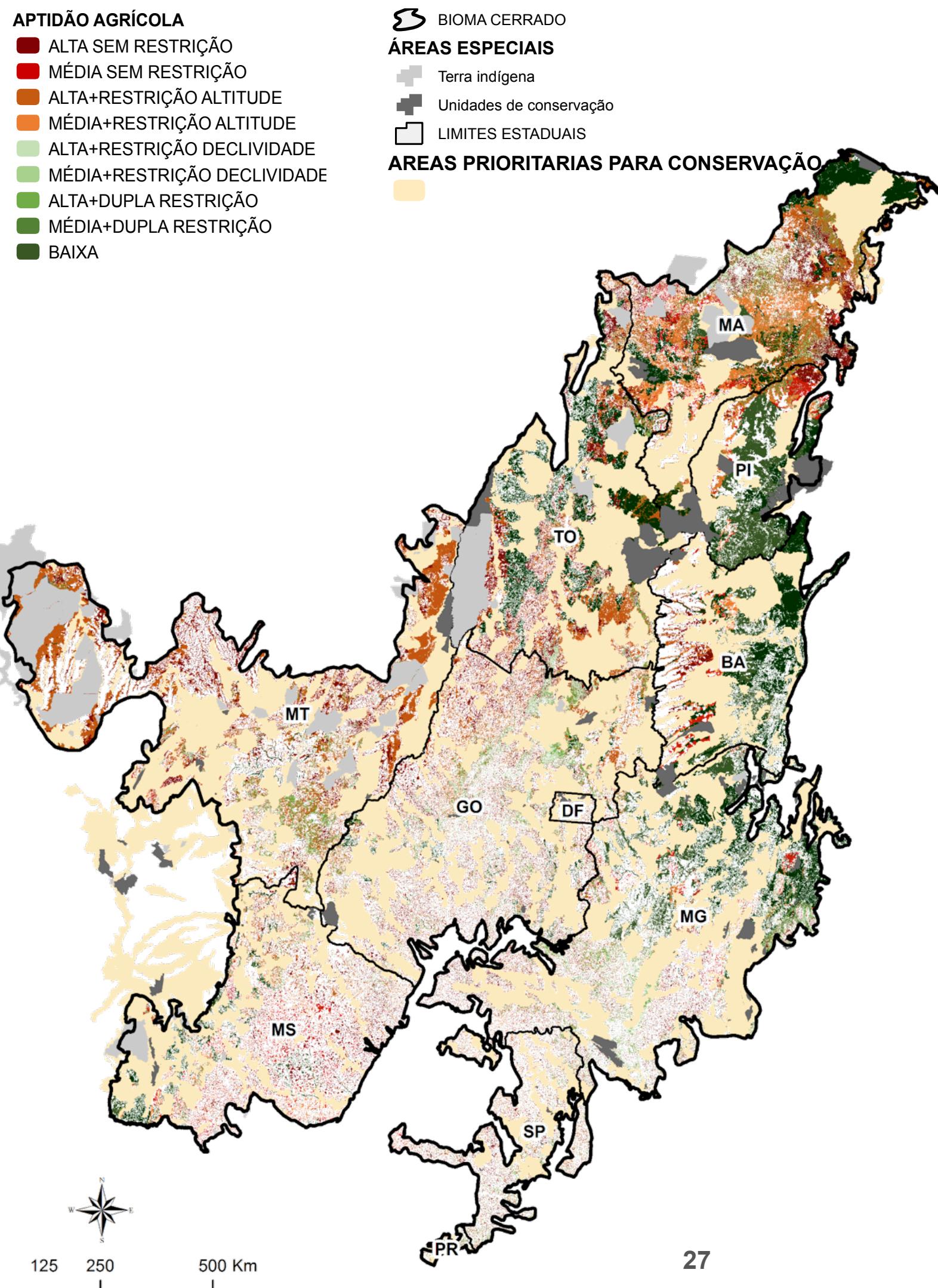
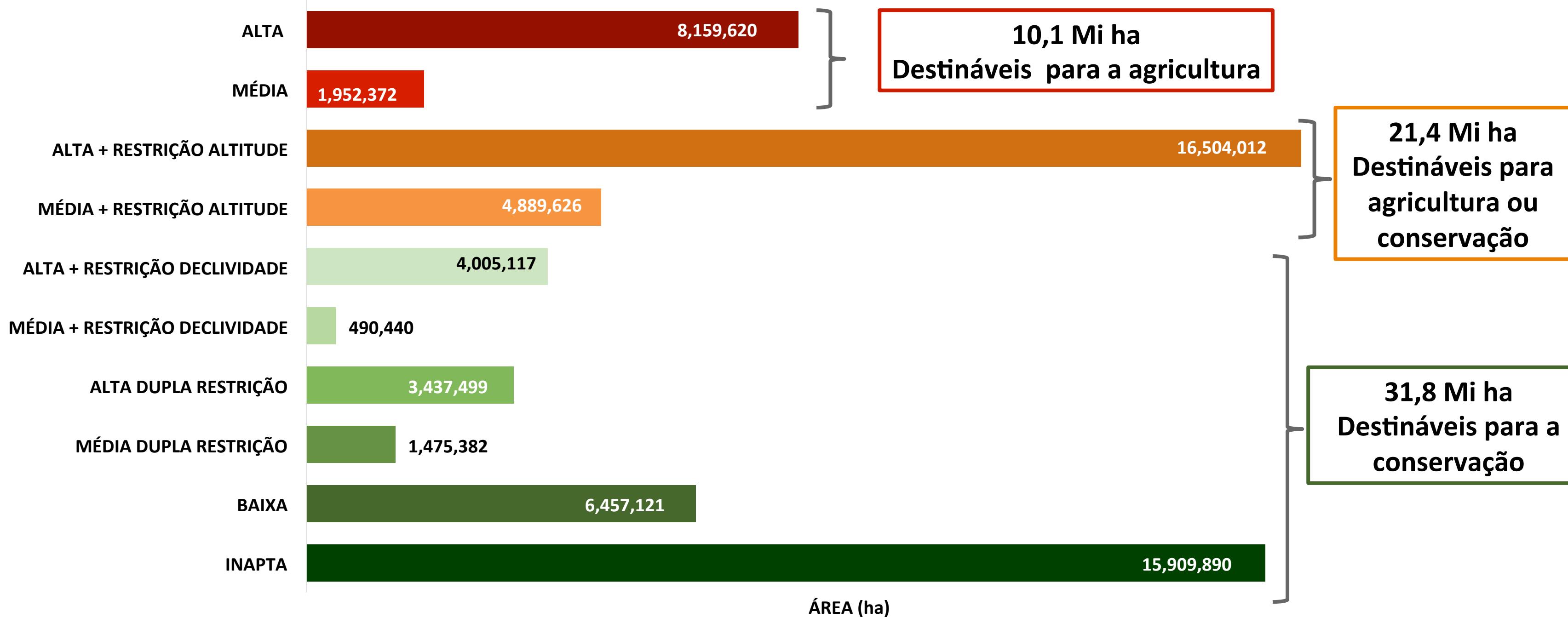


AGRICULTURAL SUITABILITY ON PRIORITY AREAS FOR CONSERVATION



AGRICULTURAL SUITABILITY ON PRIORITY AREAS FOR CONSERVATION

APTIDÃO AGRÍCOLA NA VEGETAÇÃO NATIVA FORA DE ÁREAS PRIORITÁRIAS* (Total= 63,3 Mha)



* Também foram descontados os valores de vegetação em UC e TI

OBRIGADO
THANK YOU

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